Point-of-sale system
AnyShop Eco

User's manual

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Warranty

We guarantee our POS terminal product and its parts against defects in materials and workmanship, under proper use, for a standard period of 2 years from the original date of purchase.
During this period, we will repair or replace defective and/or faulty products or parts without charge to the customer for parts and labor.
The 1st year includes servicing and new or refurbished replacement parts free of charge, with one-way shipping costs borne by the seller. The customer shall, however, be responsible for the return delivery costs. The 2nd year also includes free of charge servicing and parts, but a limited warranty requires the entire shipping cost to be borne by the customer.
Products out of the warranty period or scope shall be diagnosed at the customer's expense.
In the case of product damage due to error on part of the consumer, incorrect usage, carelessness or natural phenomenon, the customer shall bear the full cost for both repair and delivery.

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POSBANK User's manual Revision History

Changes to the AnyShop Eco User's manual are listed below.

Rev No.	Revision History	Date /author
PBUM-017E(Rev001;120131)	New	2012.01.31
PBUM-017E(Rev002;120717)	Modify	2012.07.17
PBUM-017E(Rev003;121011)	Separating add. / spec modify	2012.10.11
PBUM-017E(Rev004;130530)	Separating add. / spec modify	2013.05.30

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Preface

This User's Guide gives information about main unit/IO port layout, basic setup, component installation, and board layout for point of sale system "AnyShop Eco"

Intended Audience
The User's Guide is intended for technically qualified personnel.
It is not intended for general audiences.
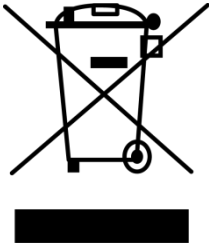
Document Organization
The chapters in this Product User's manual are arranged as follows:

1. product package contents
2. system configuration
3. Harness (cable connector)
4. BIOS Setup
5. Installing and Replacing POS SYSTEM Components: instructions on how to install the motherboard and other POS hardware components.
6. Product specification

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SYMBOL; MARK

C E	**CE MARK** This device complies with the requirements of the EEC directive 2004/108/EC with regard to "Electromagnetic compatibility" and 2006/95/EC "Low Voltage Directive".
FCC	**FCC** This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.
KC	**KC** Korea Certification mark. Certificate No. KCC-REM-PBS-AnyShopEco(A)
	Recycling and disposal of electric and electronic devices and their components This product should not be mixed with other commercial wastes for disposal.

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Safety Instructions

1. To disconnect the machine from the electrical power supply, turn off the power switch and remove the power cord plug from the wall socket.
2. The wall socket must be easily accessible and in close proximity to the machine.
3. Read these instructions carefully. Save these instructions for future reference.
4. Follow all warnings and instructions marked on the product.
5. Do not use this product near water.
6. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.
8. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
9. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

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Notice

1. Always ensure that the correct power voltage is used as a precaution against fire and electrical shock.
2. Avoid exposing product to direct sunlight. Do not use product in areas of high humidity.
   Doing so may cause low reliability and/or operational malfunction.
3. Be careful of static electricity on PCB of system with anti-static appliances. Doing so may cause inferior reliability and shorted product life.
4. Keep product away from highly static areas. This may lead to inferior performance and reduced life cycle.
5. Do not interfere with, or obstruct metal components inside product. Doing so may cause the risk of fire or electric shock.
6. Do not pull on power cable or peripheral devices' connector cable. Doing so may cause fire, electric shock or electronic system malfunction.
7. Use caution when around other electronic devices with possible high frequency or electro-magnetic effects e.g. Audio, Electronic-range etc.   Doing so will lead to the serious risk of product malfunctioning or a system error occurring.
8. Ensure that batteries are replaced correctly. Failure to do this may result in sudden explosions.
9. Dispose of used batteries properly according to the instructions.

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Liability Limitation

● Installation and maintenance

We recommend that you inquire about product installation, maintenance and repair service from the official service center and agent office.

POSBANK takes no responsibility for malfunctions or system errors occurring after service and/or system check carried out by unofficial service providers.

● High frequency appliances

This product is qualified by FCC, CE and KC compliances, and is thus governed by these qualifications' safety regulations.

However, the product can affect and be affected by other high frequencies generated around it. As such, POSBANK does not consider liability for any system error or disorder due to this issue.

● Electronic noise emitting equipment

We recommend using the product away from electronic noise emitting equipment such as heaters, motors, fluorescent lights, TVs etc. as it may cause interruption or interference with normal operation.

● Installation location

For optimal performance, the product should be kept in an environment of lower than 65% humidity and in a temperature of 10 ~ 30℃. Please also keep away from direct sun-light.

● Cleaning procedure

Cleaning with chemical based products (in particular those containing benzyl or chemical thinning agents) can damage the exterior surfaces of the product. We recommend using a soft damp cloth and wiping gently, taking particular care when dealing with the LCD display screen.

● Product limitations

1. The use of this product for anything other than POS tasks is strictly prohibited.
   The product is not supported for regular PC and interface operation.
2. This product is for business use only, and not for usage in the home.
3. Both hardware and software are both fully configured.
4. Normal operating is guaranteed on a steady power connection.

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Installation Recommendations

1. Avoid installing during thunderstorms. (Possibility of dangerous exposure to electricity.)
2. Install away from damp spaces or water-leaks.
3. Beware of static occurrence during installation.
4. Use only ground connected and quality certified power cords and cables.
5. Keep out of direct sun-light, extremely high or low temperatures, or high humidity areas.
6. Install product away from areas prone to shocks or vibration.
7. Install product away from sewing machines, welding equipment, electric stoves, audio equipment and other high frequency generating equipment.
8. Installation and use in close proximity to an air-conditioning unit is not recommended.
9. Do not connect cables underneath carpets or floorboards.
10. Only use power cables supplied by pre-approved and certified venders.
11. Never use power cords from high power source appliances.
    e.g. Electronic heaters, Electric stoves, Audio equipment, Air-conditioners, Refrigerators etc.
12. The use of multiple connections in a shared power outlet/socket is not recommended.

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1. Product Overview

(1) Inside Your Package

1. Please check your package and confirm its contents.
2. The POS terminal main unit, power cable, user manual and driver CD are included in the package. If any items are missing or damaged, please contact your dealer for assistance.

» All user manuals and drivers are available for download on our website: www.posbank.com/www.easyset.org

AnyShop Eco Main unit	Adapter / Power cord
Installation guide	**Drivers CD**
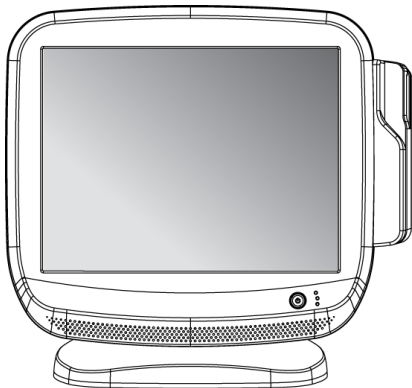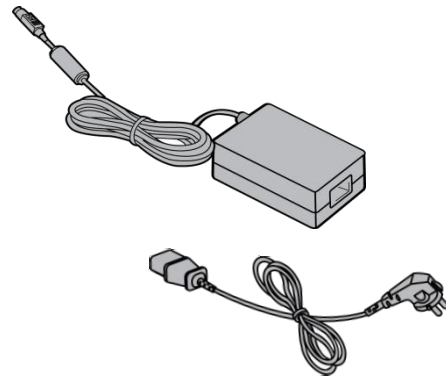
POS**BANK**®
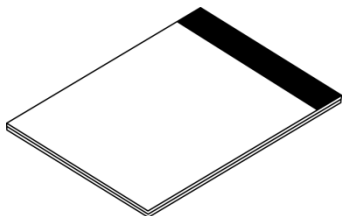
Optional Devices: 12 inch LCD monitor"
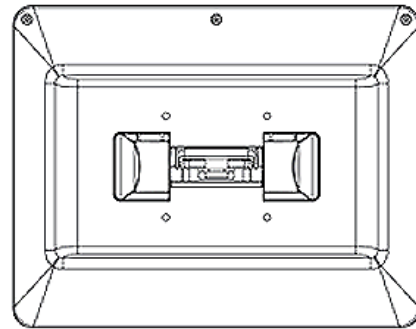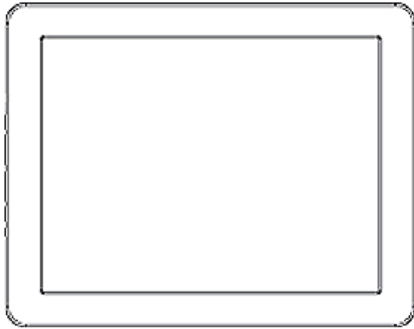
Optional Devices: Customer Display (CDP)
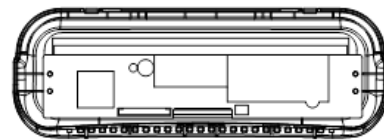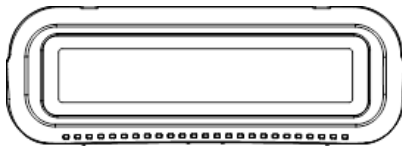
Optional Devices: CDP (Customer display)

POSBANK®
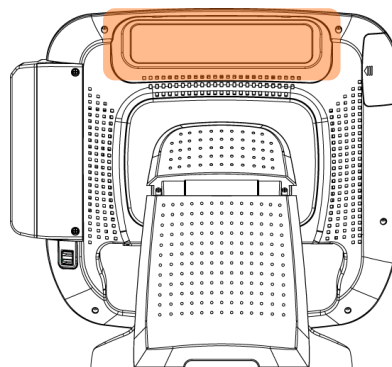
(2) Pre-installation Preparation

1. Remove protective film from touch-screen to prevent possible operating difficulties.
2. Attach all optional parts before setting up the main POS unit.

(3) Product Outline

- Each part of product may differ depending on the specific POS model.
- Model-specific data sheets are provided on our website at www.easyset.org

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(4) Configuration

Refer to following diagram to identify the components on this side of the system.

Front view
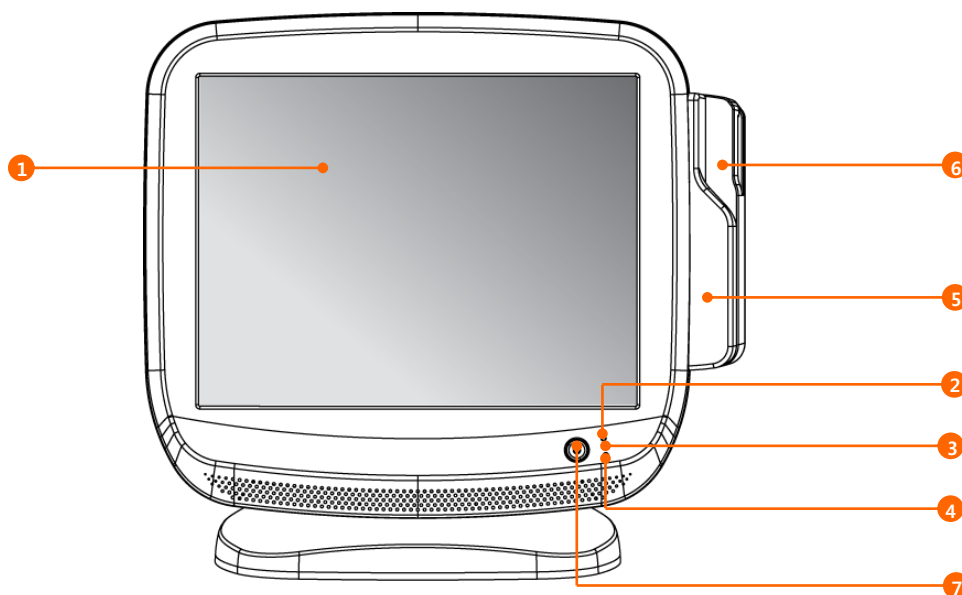
1. LCD & Touch panel display
2. Power LED
3. HDD LED
4. LAN LED
5. Magnetic stripe reader(MSR); Option
6. Smart card reader(SCR); Option
7. Power switch

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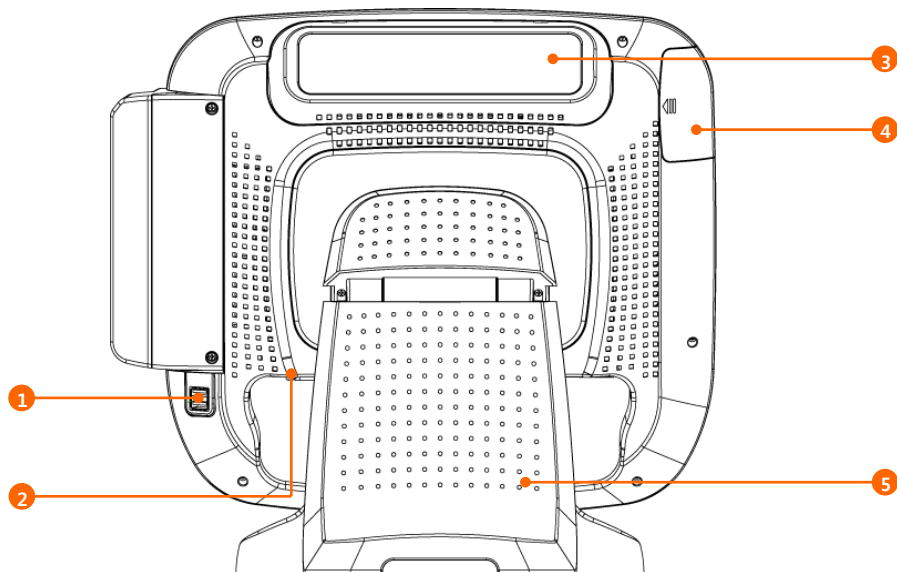
1. USB port
2. I/O port
3. Customer display (CDP) - optional
4. HDD
5. Stand

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Standard I/O port

Cash drawer port (option) | **PS/2 Mouse** | **COM2** | **COM3** | **LAN**

12V DC-IN | **PS/2 Keyboard** | **COM1** | **VGA** | **USB 2port** | **Audio**

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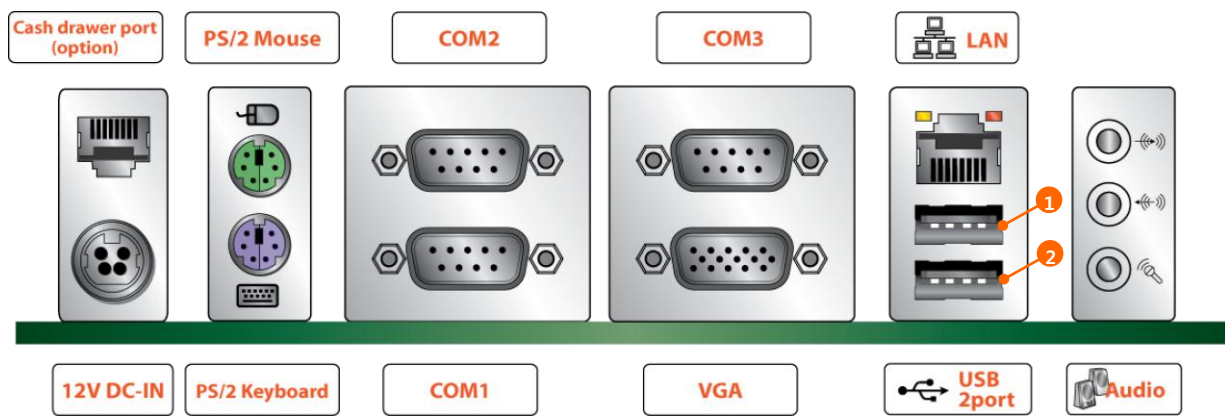
(5) Installation of Optional Devices: CDP Installation

Warning: Completely remove AC power cable when opening main unit or installing optional devices.

CDP Installation
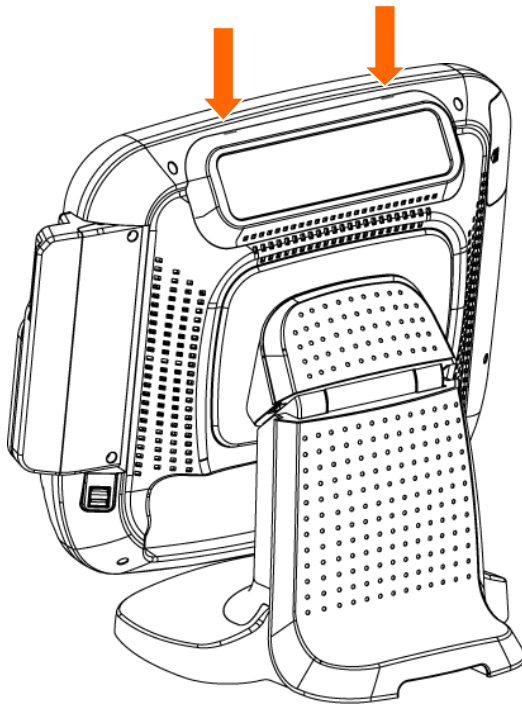
Step 1. Insert (-) driver in the grooves marked: and detach cover from rear of main unit.

Step 2. Connect to the main unit using the CDP-cable and insert the display in customer display space.
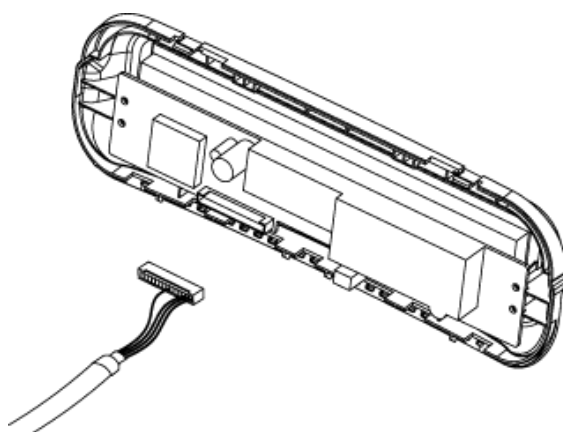
Step 3. Testing: CDP is successfully installed when system boots after powering on.
(CDP and 12 inch LCD monitor are used only with the COM4 port.)

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(6) Installation of Optional Devices: 2nd Display Installation

Warning: Completely remove AC power cable when opening main unit or installing optional devices.

12 inch LCD Monitor
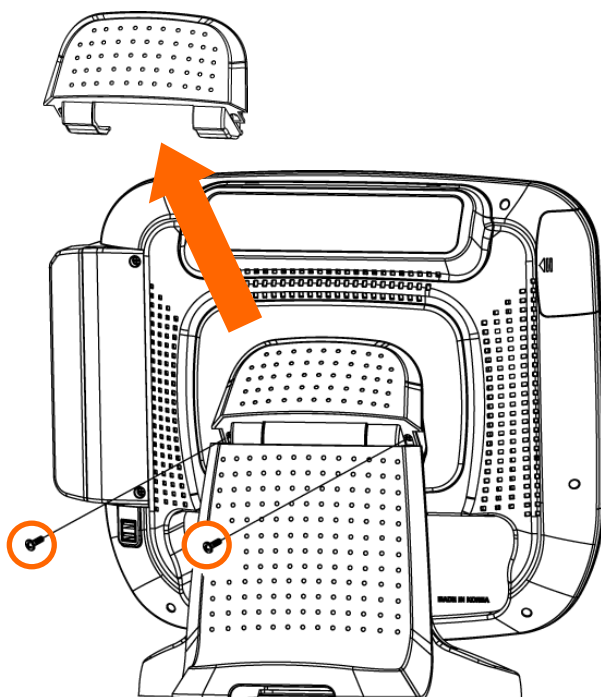
Step 1. Remove both screws as shown above and remove cover.
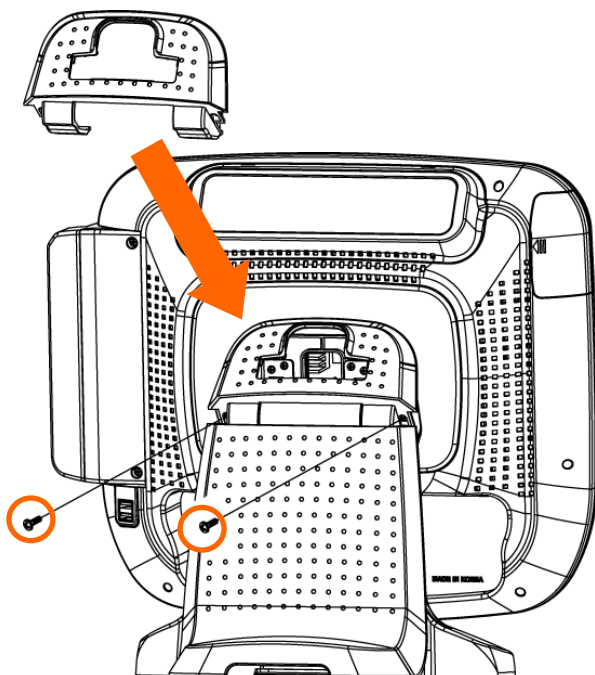
Step 2. Replace standard cover with "Optional Cover" and reinsert screws.

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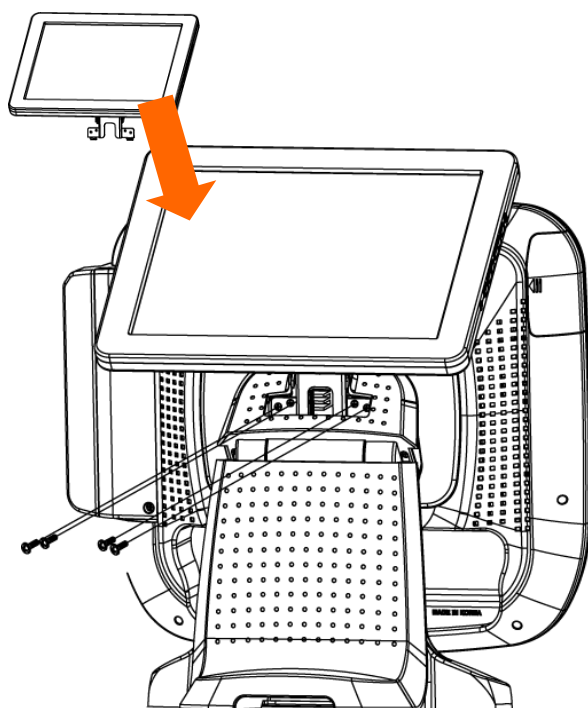
Step 3. Use 2nd display cable to connect monitor to main unit.

Step 4. Place monitor into frame and insert the 4 screws as shown.
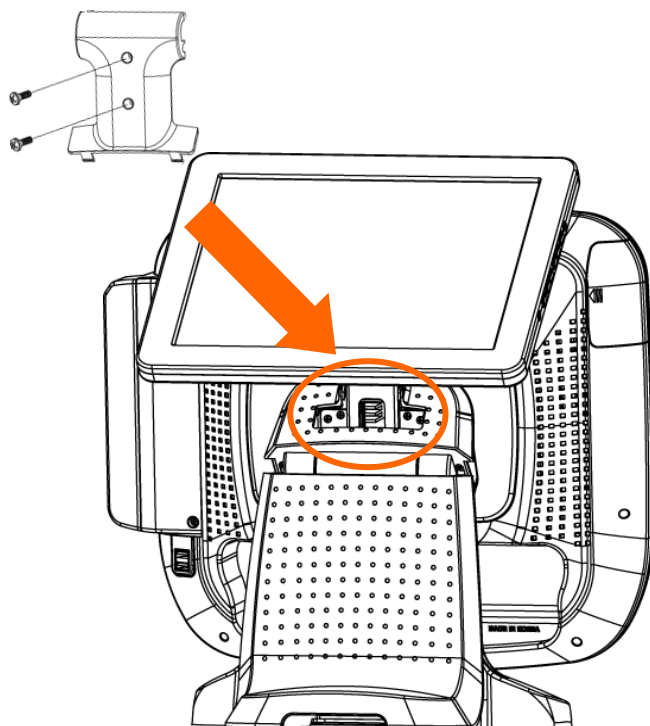
Step 5. Use the 2 remaining screws to secure the unit, and finally replace the cover.

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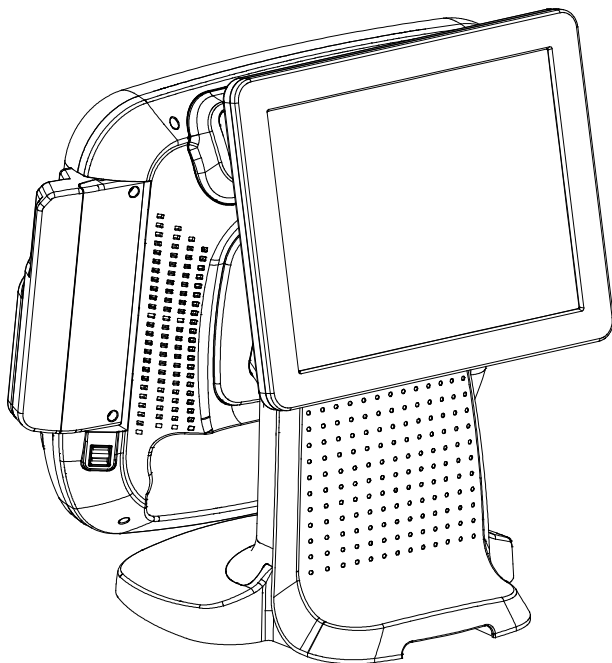
Step 6. Testing: CDP is successfully installed when system boots after powering on.

(CDP and 12 inch LCD Monitor are used only with COM4 port.)

(7) Setting up: Keyboard & Mouse Connection

Connecting the keyboard and mouse to the PS/2 port on the bottom panel.
or connecting the USB type keyboard and mouse to the USB port on the bottom panel.
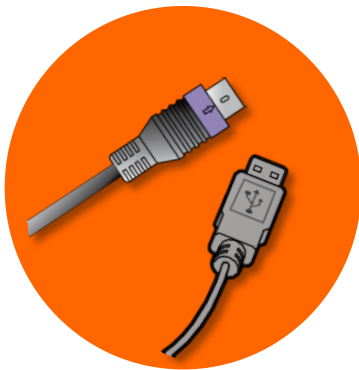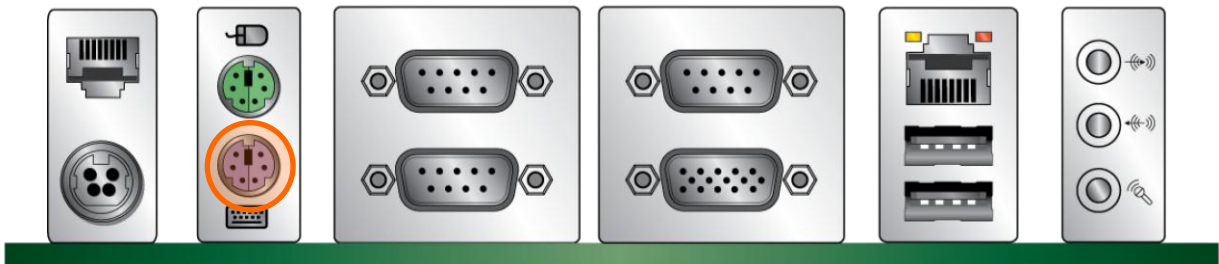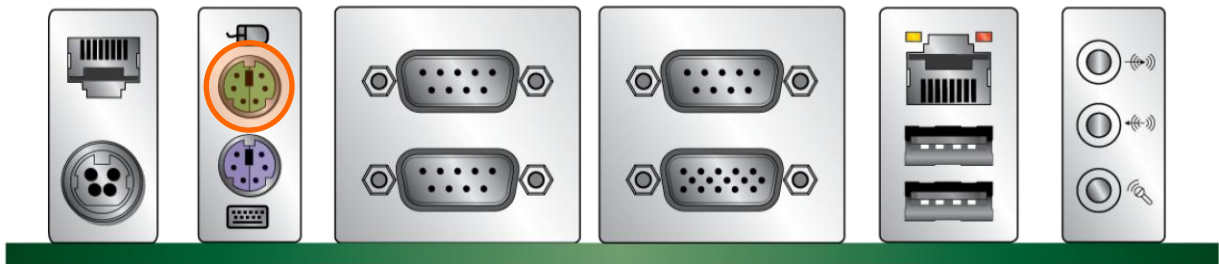
(8) Setting up: Connection USB Port

Four USB ports are provided in the POS unit, two at the rear I/O and two at the side, all of which support the standard USB 2.0.
Some USB devices (optional devices) are only functional with specific driver software installed.
If multiple USB devices are used together, this may result in abnormal functionality.
Using a USB hub with external adapter for supplying power is recommended.
Dependent on the type of device, it is possible for the USB device to be recognized later than normal.

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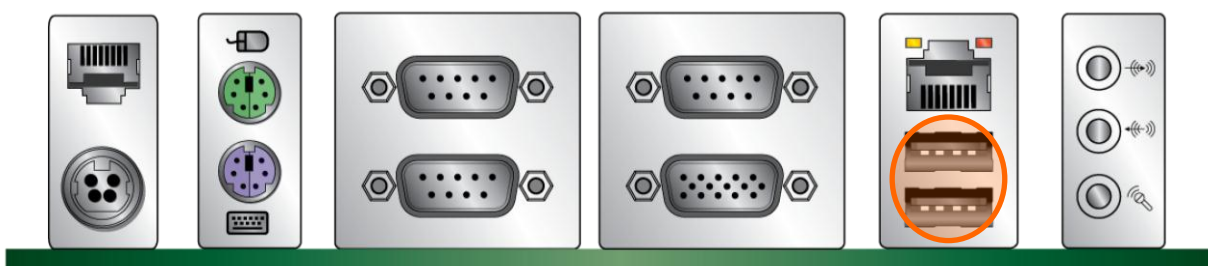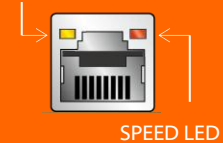
(9) Setting up: Connection via Ethernet Port (LAN)

The Ethernet port located at the rear I/O supports 10/100/1000Mbps using an RJ45 connector cable.
When connected properly, the LAN LED light will be switched on..

LINK/ACT LED
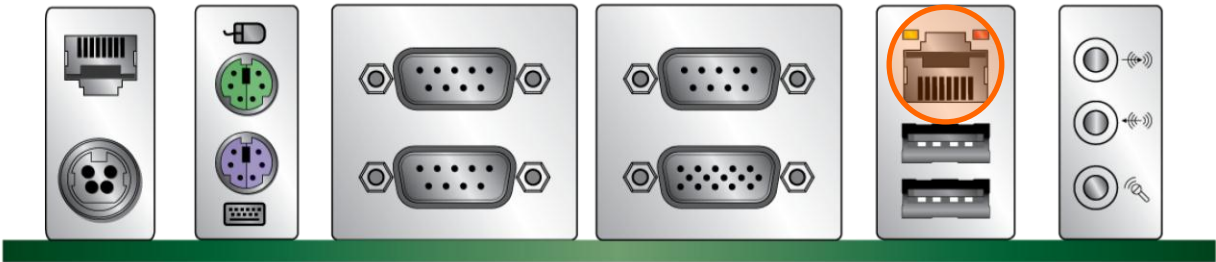
SPEED LED

LINK / ACT LED		SPEED LED	
Status	Description	Status	Description
OFF	No link	OFF	10Mbps connection
YELLOW	Linked	ORANGE	100Mbps connection
BLINKING	Data activity	GREEN	1Gbps connection

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(10) Setting up: Line-out, Mic-in, Line-in connection

- **Line In port (light blue):** This port connects a tape, CD, DVD player, Sources.
- **Line Out port (lime):** This port connects a headphone or a speaker.In4-channel, 6-channel and 8-channel configuration, the function of this port becomes Front Speaker Out.
- **Microphone port (pink):** This port connects a microphone.

3.5Φ type

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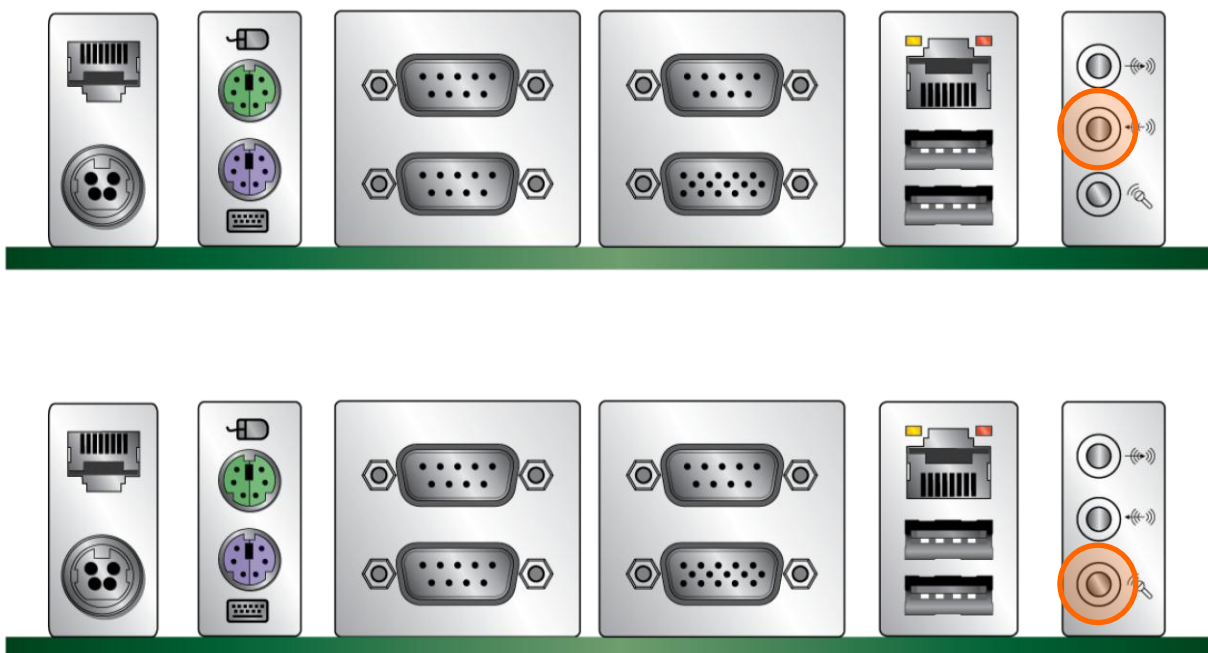
(11) Setting up: Printer Connection

Connect printer cable to either Serial or USB port as required.

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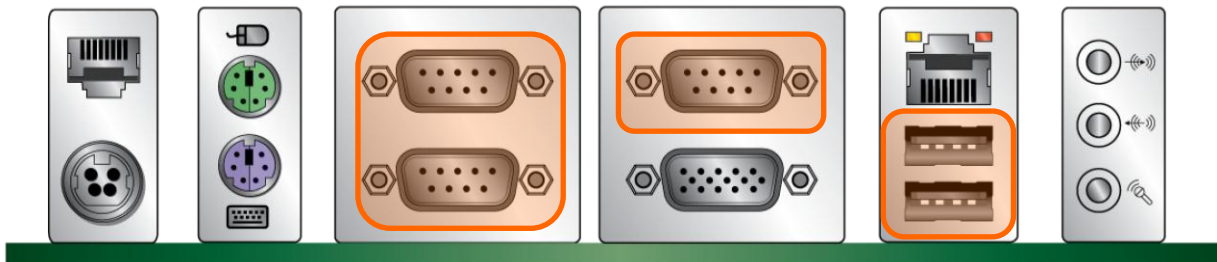
(12) Setting up: Power Cable Connection

Insert power cable into power connector socket.
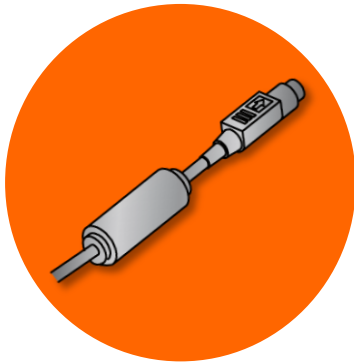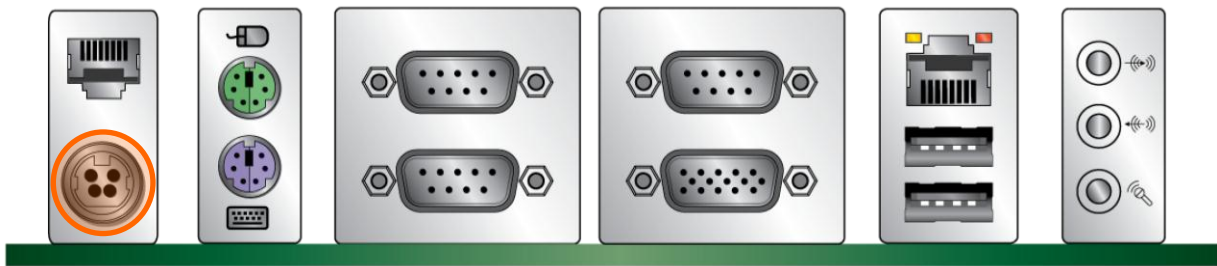
CAUTION : *Do not pull on the adaptor cable! Disconnect cable with pulling the plug cap.*

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(13) Switching On POS

The power switch is located right hand side of the speaker.
When connected to AC source, the POWER LED will be lighted-on automatically. The unit's status can be determined by each LED lamp.
Indicator modes are as follows;

1. AC input OK : POWER LED is lit (Green)
2. Operation mode : HDD LED is blinking (Red)
3. When connected LAN : LAN LED is blinking (Yellow)

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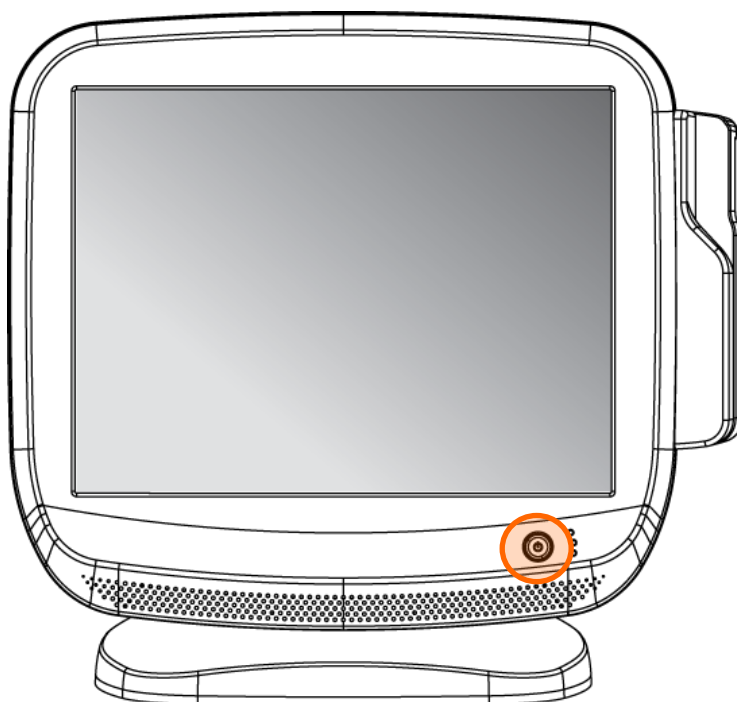
(14) Shutting Down POS

* For product stability, we recommend closing Windows from the O/S. Please make sure that you have closed all applications before closing Windows.

1. Click 'Start' and select 'Turn off Computer'
2. Click 'Shut Down' to close Windows.

(ex: POSReady2009 or Windows XP)

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(15) System Drivers

Please visit our website: www.posbank.com for the latest driver updates.
Supported devices: Cash drawer, CDP (Customer Display Panel), MSR (Magnetic Swipe Reader) and printer.

Driver installation

- **Installation method :**

Driver will automatically install by clicking SETUP.EXE in your driver CD.
If you require any help with installing or using our OPOS system, please contact our customer service center.

- **Folder of contents of POS terminal installation driver:**
    1. CHIP SET DRV installation
    2. VIDEO (VGA) DRV installation
    3. TOUCH DRV installation
    4. AUDIO DRV installation method
    5. LAN DRV installations
    6. AMT & ME Driver installation
    7. User's Manual, Installation guide

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2. Motherboard

(1) Motherboard Overview

This includes description of the jumpers and connectors on the motherboard.

Warring

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component.
2. Before handling components, use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, to avoid damaging them due to static electricity.
3. Hold components by the edges to avoid touching the ICs on them.
4. Whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that came with the component.
5. Before you install or remove any component, ensure that the ATX power
6. Supply is switched off or the power cord is detached from the power supply. Failure to do so may cause

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(2) Motherboard Layout

This includes description of the jumpers and connectors on the motherboard.

Motherboard view
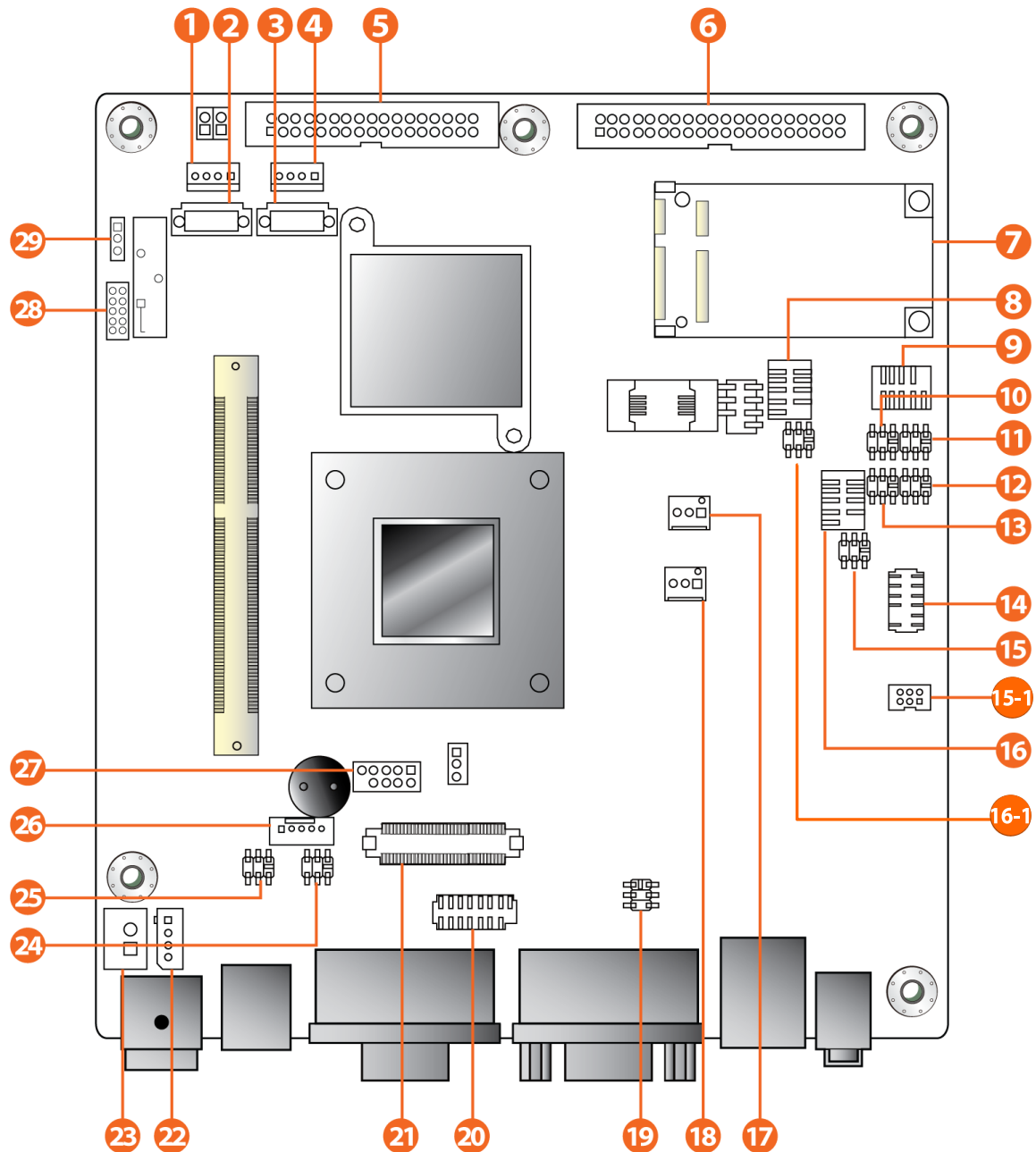
NO	Description
1.	SATA_PWR_CN2
2.	SATA 2
3.	SATA 1
4.	SATA_PWR_CN1
5.	J1
6.	J2
7.	Mini PCIe slot
8.	COM 6
9.	COM 5
10.	JCOMPWR2
11.	JCOMPWR3
12.	JCOMPWR1
13.	COMPSEL5
14.	CN15
15.	COMPSEL4
15-1.	JAMP1
16.	COM 4
16-1.	COMPSEL6

NO	Description
17.	SYS_FAN
18.	CPU_FAN
19.	COMPSEL3
20.	VGA 1
21.	LVDS1
22.	CN29(12V DC)
23.	CN30(24V DC)
24.	COMP1SEL2
25.	COMP1SEL1
26.	VP1(Inverter)
27.	F-Panel1
28.	GPIO1
29.	CMOS1

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(3) Side USB Board

Side USB Board Connector Description
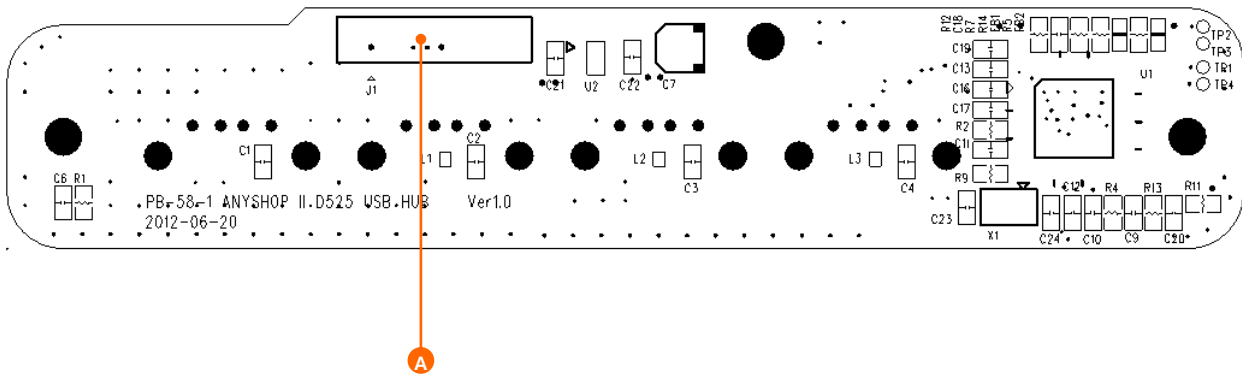
A. To Motherboard USB

(4) Power Switch Board

Power Switch Board Connector Description
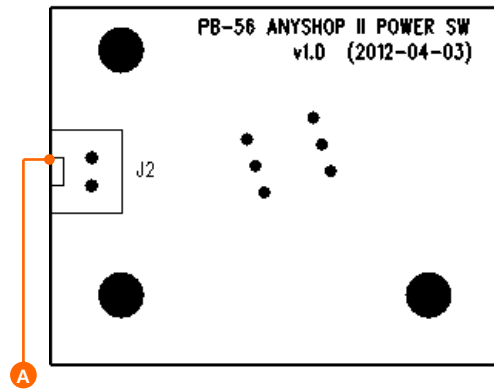
A. Power switch

(5) Drawer Kicker Board

Drawer Kicker Board Connector Description
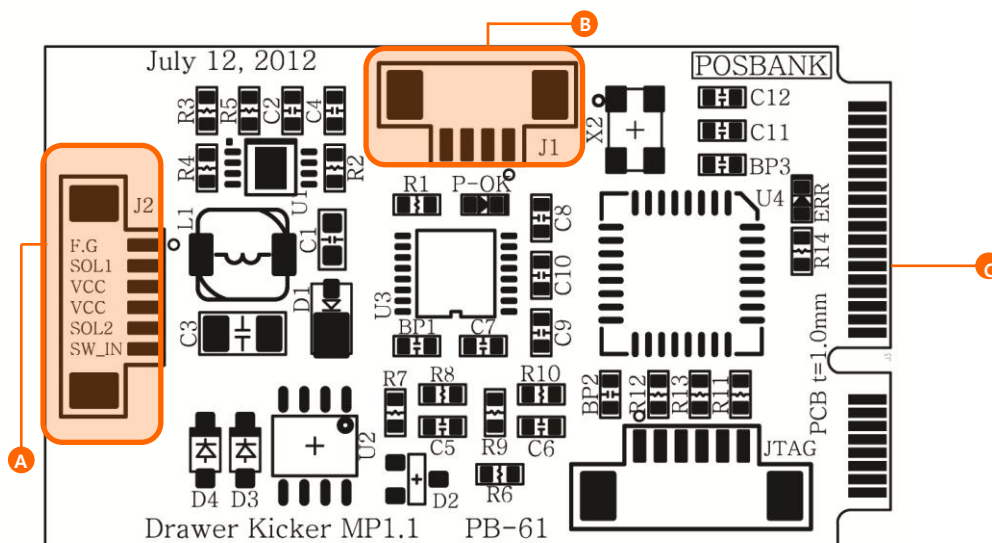
- **A.** Drawer Port
- **B.** Serial Port
- **C.** Mini PCIe Slot

(6) Drawer Port Board

Drawer Port Board Connector Description
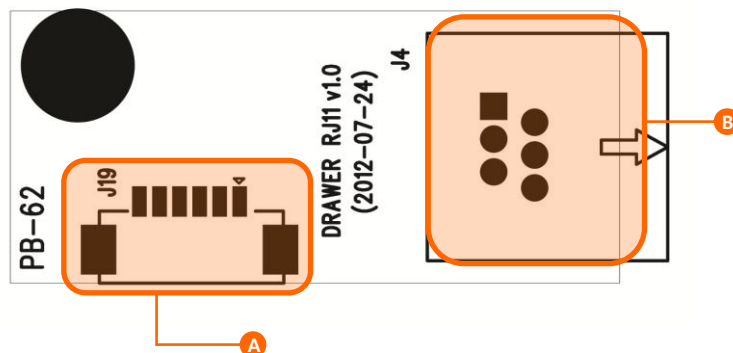
A. From Drawer Kicker
B. Cash Drawer port

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(7) Jumpers

Clear RTC RAM (CLRTC)

This jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, time, and system setup parameters by erasing the CMOSRTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which include system setup information such as system passwords.

To erase the RTC RAM:

1. Turn OFF the computer and unplug the power cord.
2. Remove the onboard battery.
3. Move the jumper cap from pins 1-2 (default) to pins 2-3. Keep the cap on pins 2-3 for about 5~10 seconds, then move the cap back to pins 1-2.
4. Re-install the battery.
5. Plug the power cord and turn ON the computer.
6. Hold down the <Del> key during the boot process and enter BIOS setup tore-enter data.

CAUTION: Except when clearing the RTC RAM, never remove the cap on CLRTC jumper default position. Removing the cap will cause system boot failure!

Clear RTC RAM (CLRTC)
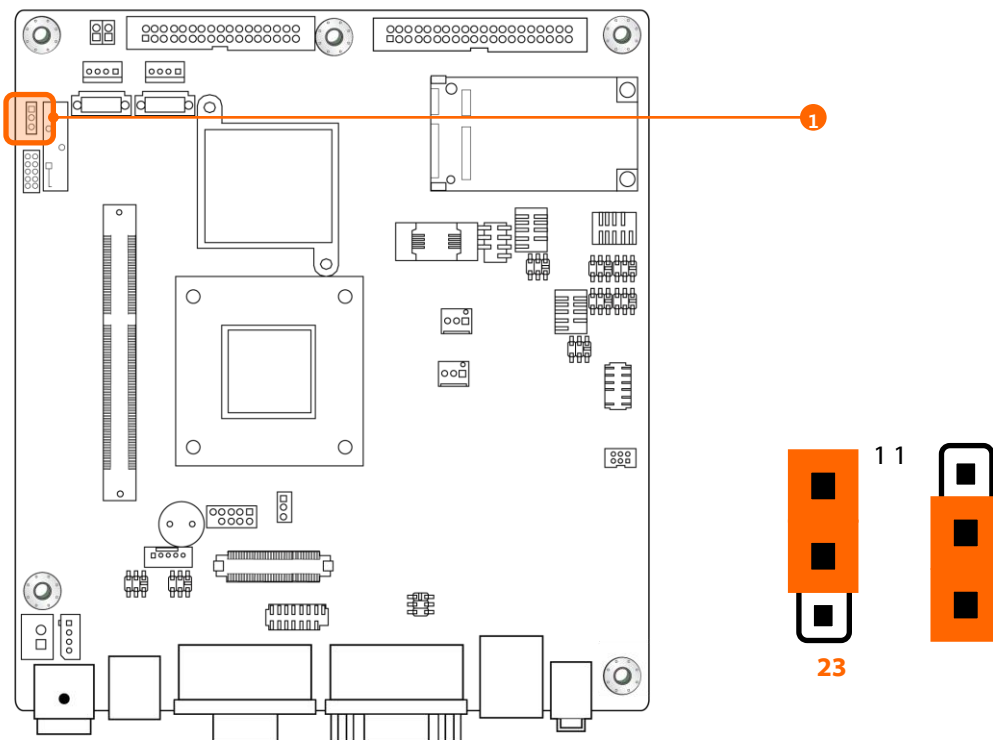
1. Clear RTC RAM (CLRTC)
2. Normal(Default)
3. Clear CMOS

#_You do not need to clear the RTC when the system hangs due to overclocking. For system failure due to over clocking, use the C.P.R. (CPU Parameter Recall) feature. Shut down and reboot the system so the BIOS can automatically reset parameter settings to default values.

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COM1, 2, 3, 4, 6RI, +12V and +5V Power Select(COMP1SELx)

This jumper allows you to select COM1 RI, +5V and +12V power. Set COMP1SELx top ins 5-6 +5V power.
And set COMP1SELx to pins 1-2 +12V power. Then setCOMP1SELx to pins 3-4 for RI selection.

COMP1SELx
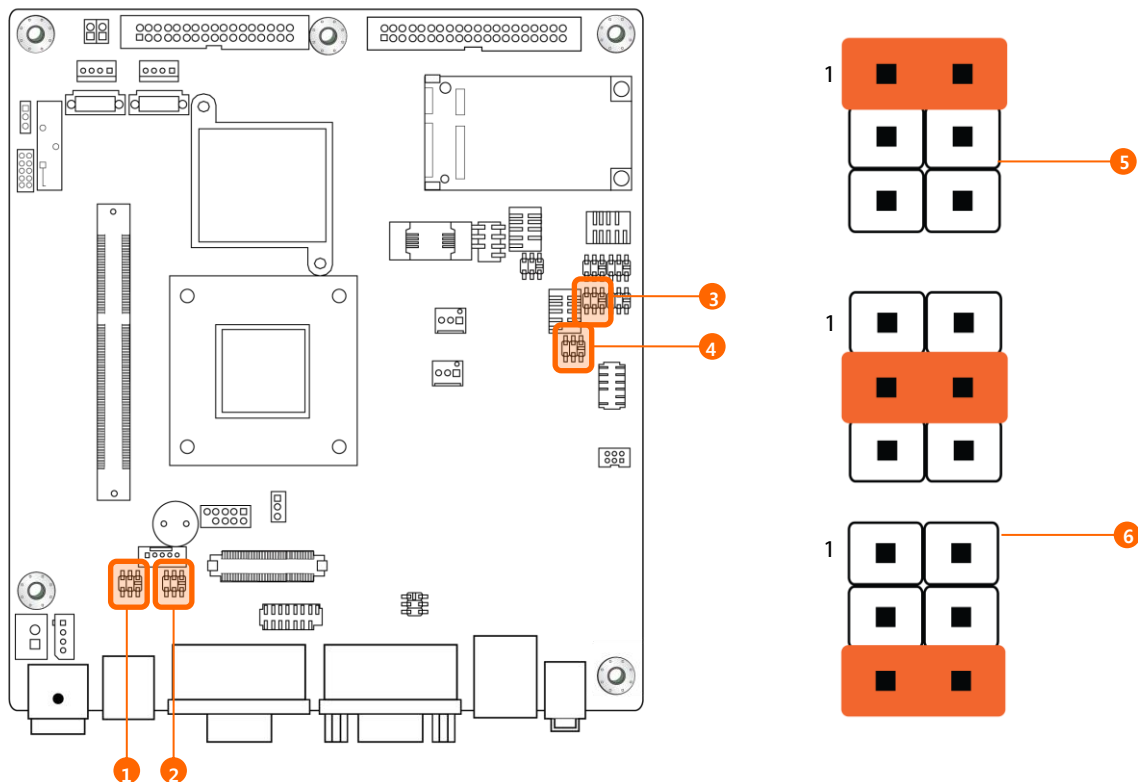
1. COMP1SEL1
2. COMP1SEL2
3. COMP1SEL5
4. COMP1SEL4
5. +12V
6. +5V

COM5RS232, RS422, RS485 Select(JCOMPWRx)

This jumper allows you to select COM5 RS232, RS422, RS485. Changing jumpers will beselected different RSxxx protocols.
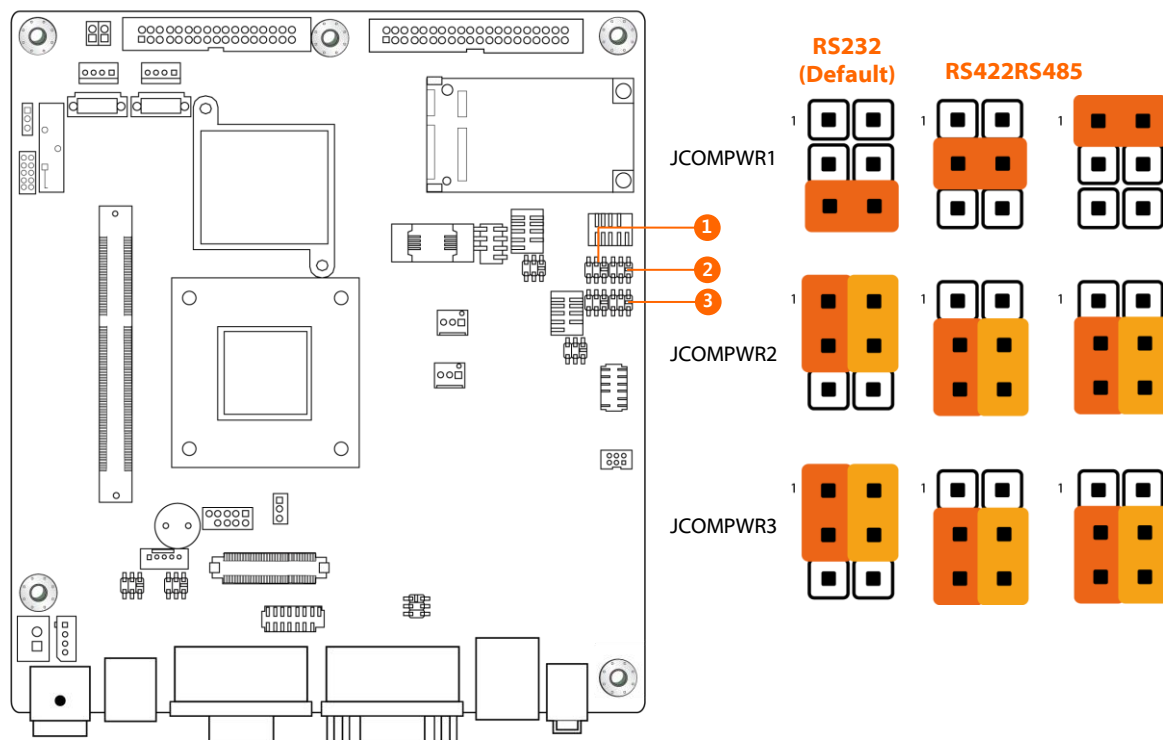
1. JCOMPWR2
2. JCOMPWR3
3. JCOMPWR1

#_This jumper allows you to select COM5 RS232, RS422, RS485. Changing jumpers will beselected different RSxxx protocols.

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3. BIOS Setup Utility

* This chapter tells how to change the system settings through the BIOS Setup menus.
Detailed descriptions of the BIOS parameters are also provided.

(1) Managing and updating your BIOS

1.1 Creating a bootable floppy disk
1. Do either one of the following to create a bootable floppy disk.
   <u>DOS environment</u>
   a. Insert a 1.44MB floppy disk into the drive.
   b. At the DOS prompt, type **Format A:/S** then press <Enter>.
   <u>Windows® XP environment</u>
   a. Insert a 1.44 MB floppy disk to the floppy disk drive.
   b. Click **Start** from the Windows® desktop, then select **My Computer**.
   c. Select the 3 1/2 Floppy Drive icon.
   d. Click **File** from the menu, then select **Format**. A **Format 3 1/2 Floppy Disk** window appears.
   e. Select **Create an MS-DOS startup disk** from the format options field, then click**Start**.
   <u>Windows® 2000 environment</u>
   To create a set of boot disks for Windows® 2000:
   a. Insert a formatted, high density 1.44 MB floppy disk into the drive.
   b. Insert the Windows® 2000 CD to the optical drive.
   c. Click Start, then select Run.
   d. From the Open field, type
      D:\bootdisk\makeboot a:
      assuming that D: is your optical drive.
   e. Press <Enter>, then follow screen instructions to continue.

2. Copy the original or the latest motherboard BIOS file to the bootable floppydisk.

(2) BIOS setup program

This motherboard supports a programmable firmware chip that you can update using the provided utility described in section "2.1 Managing and updating your BIOS."

Use the BIOS Setup program when you are installing a motherboard, reconfiguring your system, or prompted to "Run Setup". This section explains how to configure your system using this utility.

Even if you are not prompted to use the Setup program, you can change the configuration of your computer in the future. For example, you can enable the security password feature or change the power management settings. This requires you to reconfigure your system using the BIOS Setup program so that the computer can recognize these changes and record them in the CMOS RAM of the firmware hub.

The firmware hub on the motherboard stores the Setup utility. When you start up the computer, the system provides you with the opportunity to run this program.
Press <Del> during the Power-On-Self-Test (POST) to enter the Setup utility; otherwise, POST continues with its test routines.

If you wish to enter Setup after POST, restart the system by pressing <Ctrl+Alt+Delete>, or by pressing the reset button on the system chassis. You can also restart by turning the system off and then back on. Do this last option only if the first two failed.

The Setup program is designed to make it as easy to use as possible. Being a menu-driven program, it lets you scroll through the various sub-menus and make your selections from the available options using the navigation keys.

- The default BIOS settings for this motherboard apply for most conditions to ensure optimum performance. If the system becomes unstable after changing any BIOS settings, load the default settings to ensure system compatibility and stability. Select the Load Default Settings item under the Exit Menu. See section "2.7 Exit Menu."
- The BIOS setup screens shown in this section are for reference purposes only, and may not exactly match what you see on your screen.

2.1 Legend Box
The keys in the legend bar allow you to navigate through the various setup menus.

Key(s)	Function Description
F1	General help, only for Status Page Setup Menu and Option Page Setup Menu
Esc	Return to the main menu from a sub-menu or prompts you to quit the setup program
←, →	Move to the item in the left or right hand
↑ , ↓	Move to previous or next item
Enter	Brings up a selection menu for the highlighted field
+ or PgUp	Moves the cursor to the first field
- or PgDn	Moves the cursor to the last field
F5	Loads the previous values
F6, F7	Loads the fail-safe / optimized defaults
F10	Saves changes and exits Setup

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2.2 List Box

This box appears only in the opening screen. The box displays an initial list of configurable items in the menu you selected.

2.3 Sub-menu

Note that a right pointer symbol () appears to the left of certain fields. This pointer indicates that you can display a sub-menu from this field. A sub-menu contains additional options for a field parameter. To display a sub-menu, move the highlight to the field and press <Enter>. The sub-menu appears. Use the legend keys to enter valuesand move from field to field within a sub-menu as you would within a menu. Use the <Esc> key to return to the main menu.

Take some time to familiarize yourself with the legend keys and their corresponding functions. Practicenavigating through the various menus and submenus. If you accidentally make unwanted changes to any of the fields, press <F6> to load the fail-safe default values. While moving around through the Setup program, note that explanations appear in the Item Specific Help window located to the right of each menu. This window displays the help text for the currently highlighted field.

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(3) Main Setup

3.1 Main Menu

Press<Del> to enter AMIBIOSCMOS Setup Utility, the Main Menu will appear on the screen. Use arrow keys to select among the items and press <Enter> to accept orenter the sub-menu.

```
                        BIOS SETUP UTILITY
  Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

  System Overview                            Use [ENTER], [TAB]
                                             or [SHIFT-TAB] to
  AMIBIOS                                    select a field.
  Version    :08.00.15
  Build Date:09/17/10                        Use [+] or [-] to
  ID         :ILNPX015                       configure system Time.

  Processor
  Intel(R) Atom(TM) CPU D510   @ 1.66GHz
  Speed      :1666MHz
  Count      :1

  System Memory                              ←     Select Screen
  Size       :1015MB                         ↑↓    Select Item
                                             +-    Change Field
  System Time                 [15:15:24]     Tab   Select Field
  System Date                 [Mon 09/27/2010] F1   General Help
                                             F10   Save and Exit
                                             ESC   Exit

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```

The Main BIOS setup screen has two main frames. The left frame displays all the options that can be configured. Grayed-out options can not be configured ; options in blue can. The right frame displays the key legend. Above the key legend is an area reserved for a text message. When an option Is selected in the left frame, it is high lighted in white. Often a text message will accom-pany it.

•System time / System date

> Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys.
>
> Enter new values through the keyboard. Press the <Tab> key or the <Arrow> keys to move between fields.
>
> The date must be entered In MM/ DD/ YY format. The time must be entered in HH:MM:SS or mat.

3.2 Advanced BIOS Features

> Select the Advanced tab from the AIMB-2l2 setup screen to enter the BIOS Setup screen.
> You can select any of the items in the left frame of the screen, such as CPU Configuration, to go to the submenu for that item.
> You can display an Advanced BIOS Setup option by highlighting it using

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the<Arrow>keys. All Advanced BIOS Setup options are described in this section.
The Advanced BIOS Setup screen is shown below. The submenus are described on the following pages.

```
                        BIOS SETUP UTILITY
  Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

  Advanced Settings                              Configure CPU.

  WARNING: Setting wrong values in below sections
           may cause system to malfunction.

  ▶ CPU Configuration
  ▶ IDE Configuration
  ▶ SuperIO Configuration
  ▶ Hardware Health Configuration
  ▶ ACPI Configuration
  ▶ APM Configuration
  ▶ USB Configuration

                                            ←      Select Screen
                                            ↑↓     Select Item
                                            Enter  Go to Sub Screen
                                            F1     General Help
                                            F10    Save and Exit
                                            ESC    Exit

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```

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3.3CPU Configuration

```
                          BIOS SETUP UTILITY
Advanced

Configure advanced CPU settings            Disabled for WindowsXP
Module Version:3F.14

Manufacturer:Intel
Intel(R) Atom(TM) CPU D510   @ 1.66GHz
Frequency    :1.66GHz
Cache L1     :48 KB
Cache L2     :1024 KB
Ratio Actual Value:10

Max CPUID Value Limit       [Disabled]
Execute-Disable Bit Capability [Enabled]
Hyper Threading Technology  [Enabled]     ←     Select Screen
Intel(R) SpeedStep(tm) tech [Disabled]    ↑↓    Select Item
Intel(R) C-STATE tech       [Enabled]     +-    Change Option
Enhanced C-States           [Enabled]     F1    General Help
                                          F10   Save and Exit
                                          ESC   Exit

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```

- **Max CPUID Value Limit**

  This item allows you to limit CPUID maximum value.

- **Execute-Disable Bit Capability**

  This item allows you to enable or disable the No-Execution page protection technology.

- **Hyper Threading Technology**

  This item allows you to enable or disable Intel Hyper Threading technology.

- **Intel® Speed StepTMtech**

  When set to disabled, the CPU run satits default speed, when set to enabled, the CPU speed is controlled by the operating system.

- **Intel® C-STATE tech**

  This item allows the CPU to save more power run deride mode.

- **Enhanced C-States**

  CPU idle set to enhanced C-States, disabled by Intel®. C-STATE tech item.

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3.4IDE configuration

```
                    BIOS SETUP UTILITY
 Advanced

 IDE Configuration                                     Options

 ATA/IDE Configuration       [Enhanced]          Disabled
   Configure SATA as         [IDE]               Compatible
                                                 Enhanced
 ▶ SATA1                     [Not Detected]
 ▶ SATA2                     [Not Detected]

 IDE Detect Time Out (Sec)   [35]

 ▶ AHCI Configuration
                                                 ←     Select Screen
                                                 ↑↓    Select Item
                                                 +-    Change Option
                                                 F1    General Help
                                                 F10   Save and Exit
                                                 ESC   Exit


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```

- **ATA / IDE Configuration**

  This can be configured as Disabled, Compatible or
  Enhanced.

- **Configure SATA as**

  This can be configured as IDE or
  AHCI.

- **SATAI/SATA2**

  While entering setup,the BIOS automatically detects the presence of SATA
  devices.
  This displays the status of SATA device auto-detection.

- **IDE Detect Time Out (Sec)**

  This item allows you to select the time out value for detecting ATA/ ATAPI
  device(s).

- **AHCI Configuration**

  AHCI is a new interface specification that allows the SATA controller driver
  to support advanced features.
  While entering setup, BIOS auto detects the AHCI devices. This displays the
  status of auto detection of AHCI devices.

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```
                        BIOS SETUP UTILITY
 Advanced

Configure Win627DHG Super IO Chipset

WatchDog Timer              [  0]
WatchDog Mode               [Second]
Serial Port1 Address        [3F8/IRQ4]
Serial Port2 Address        [2F8/IRQ3]
Parallel Port Address       [378]
 Parallel Port Mode         [Normal]
 Parallel Port IRQ          [IRQ7]
Serial Port3 Address        [3E8]
 Serial Port3 IRQ           [5]
Serial Port4 Address        [2E8]
 Serial Port4 IRQ           [10]
Serial Port5 Address        [288]          ←      Select Screen
 Serial Port5 IRQ           [11]           ↑↓     Select Item
Serial Port6 Address        [280]          Enter  Update
 Serial Port6 IRQ           [11]           F1     General Help
                                           F10    Save and Exit
                                           ESC    Exit


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```

•**On board Serial port1 [3F8/IRQ4]**
   This item allows user to adjust serial port1 address and IRQ.

•**On board Serial port2 [2F8/IRQ3]**
   This item allows user to adjust serial port2 address and IRQ.

•**On board Serial port3 [C80/IRQII]**
   This item allows user to adjust serial port3 address and IRQ.

•**On board Serial port4 [C88/IRQI0]**
   This item allows user to adjust serial port4 address and IRQ.

•**On board Serial port5 [C90/IRQII]**
   This item allows user to adjust serial port5 address and IRQ.

•**On board Serial port6 [C98/IRQI0]**
   This item allows user to adjust serial port7 address and IRQ.

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3.5Hardware Health Configuration

```
                      BIOS SETUP UTILITY
 Advanced

 Hardware Health Configuration                              Options


 System Temperature         :36°C/96°F              Disabled
 CPU Temperature            :36°C/96°F              Silent Mode
                                                    Optimal Mode
 SYSFAN Speed               :0 RPM                  Performance Mode
 CPUFAN Speed               :3183 RPM

 Vcore                      :1.120 V
 AVCC                       :3.360 V
 3VCC                       :3.360 V
 +12V                       :12.032 V        ←      Select Screen
 + 5V                       :5.024 V         ↑↓     Select Item
 5VSB                       :5.024 V         +-     Change Option
 3VSB                       :3.376 V         F1     General Help
 VBAT                       :3.040 V         F10    Save and Exit
 SYSTEM Smart Fan              [Silent Mode]  ESC    Exit
 CPU Smart Fan                 [Silent Mode]


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```

•**CPU warning temperature**
Use this to set the CPU warning temperature threshold. When the system
CPU reaches the warning temperature ,the buzzer will beep.

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3.6 General ACPI Configuration

```
                        BIOS SETUP UTILITY
  Advanced

 General ACPI Configuration                          Select the ACPI
                                                     state used for
                                                     System Suspend.
 Suspend mode                    [Auto]
 Repost Video on S3 Resume       [No]




                                                     ←     Select Screen
                                                     ↑↓    Select Item
                                                     +-    Change Option
                                                     F1    General Help
                                                     F10   Save and Exit
                                                     ESC   Exit


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```
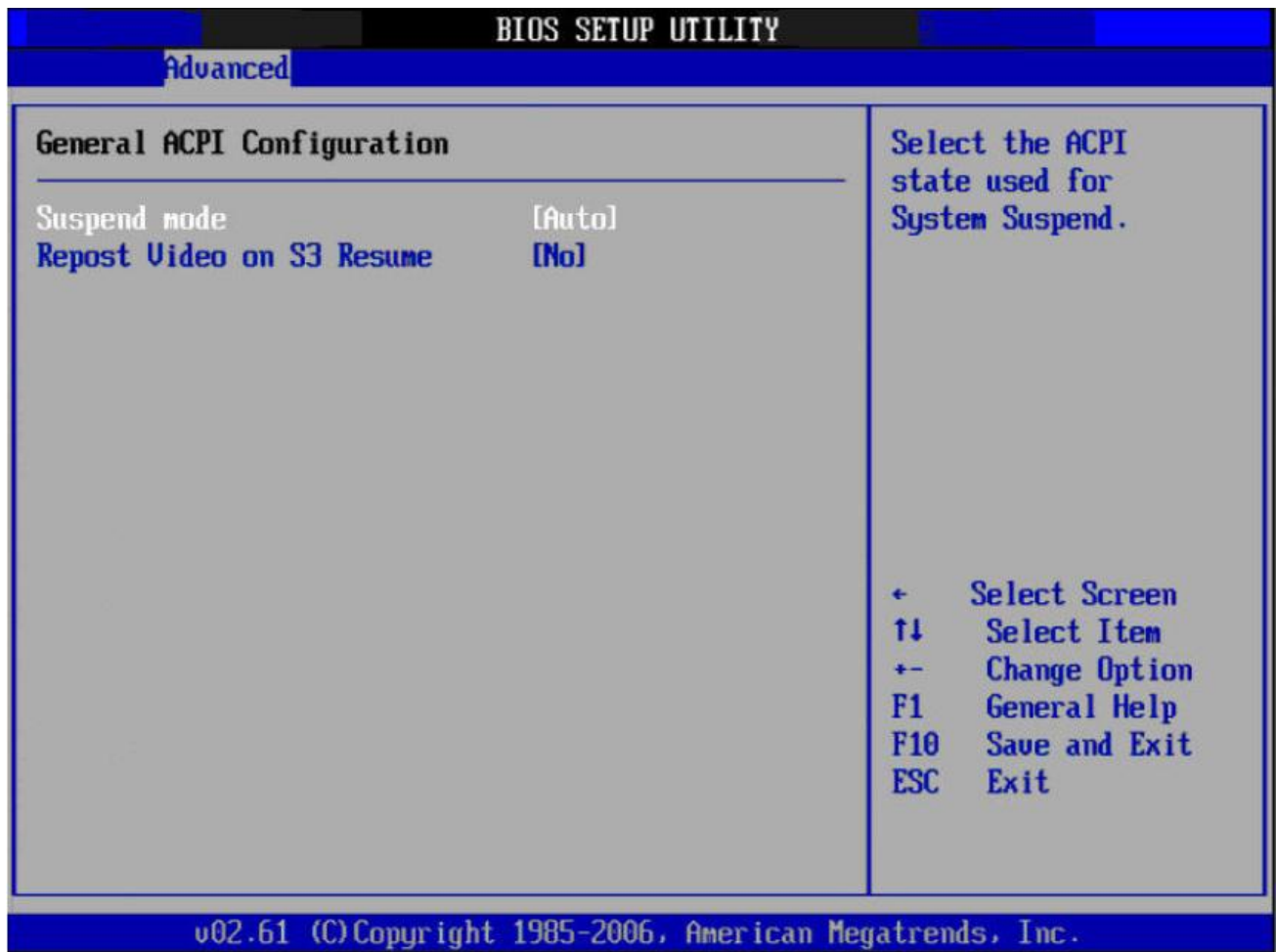
• **Suspend mode**

   Select the ACPI state used for system suspend.

• **Report Video on S3 Resume**

   This item allows you to invoke VABIOSPOST on S3 / STR resume.

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3.7 Advanced ACPI Configuration

```
                        BIOS SETUP UTILITY
 Advanced

 Advanced ACPI Configuration                    Enable RSDP pointers
                                                to 64-bit Fixed System
                                                Description Tables. Di
 ACPI Version Features        [ACPI v3.0]       ACPI version has some
 ACPI APIC support            [Enabled]
 AMI OEMB table               [Enabled]
 Headless mode                [Disabled]




                                                ←     Select Screen
                                                ↑↓    Select Item
                                                +-    Change Option
                                                F1    General Help
                                                F10   Save and Exit
                                                ESC   Exit


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```

- **ACPI Version Features**

    This item allows you to enable RSDP pointers to 64-bit fixed system description tables.

- **ACPIAPIC support**

    Include ACPI table pointer to RSDT pointer list.

- **AMI OEMB table**

    Include OEMB table pointer to R(x)SDT pointer lists.

- **Head less mode**

    Enable/ Disable Head less operation mode through ACPI.

3.8APM Configuration

```
                        BIOS SETUP UTILITY
 Advanced

 APM Configuration                                    Enable or disable
                                                      APM.
 Power Management/APM           [Enabled]
 High Performance Event Timer   [Disabled]
 Restore on AC Power Loss       [Power Off]

 USB Device Wakeup From S3      [Disabled]
 Resume On PCI-E PME            [Disabled]
 Resume On Ring                 [Disabled]
 Resume On RTC Alarm            [Disabled]


                                           ←    Select Screen
                                           ↑↓   Select Item
                                           +-   Change Option
                                           F1   General Help
                                           F10  Save and Exit
                                           ESC  Exit


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```

•**Power Management/ APM**

   Enable or disable APM power management function.

•**Restore on AC Power Loss**

   This option allows user to set system action when AC power restores after AC
   Power loss. Available options include Power Off, Power On, Last Status.

•**Resume On Ring**

   Disable / Enable RI wake event.

•**Resume On RTC Alarm**

   Disable / Enable RTC wake event.

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3.9USB Configuration

```
                        BIOS SETUP UTILITY
 Advanced

 USB Configuration                              Enables support for
                                                legacy USB. AUTO
 Module Version - 2.24.3-13.4                    option disables
                                                legacy support if
 USB Devices Enabled :                           no USB devices are
   1 Keyboard                                    connected.

 Legacy USB Support              [Enabled]
 USB 2.0 Controller Mode         [HiSpeed]
 BIOS EHCI Hand-Off              [Enabled]


                                                ←     Select Screen
                                                ↑↓    Select Item
                                                +-    Change Option
                                                F1    General Help
                                                F10   Save and Exit
                                                ESC   Exit


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```

- **Legacy USB Support**

  Enables support for legacy USB. Auto option disables legacy support If no USB
  Devices are connected.

- **USB2.0 Controller Mode**

  This item allows you to select Hi-Speed (48OMbps) or Full Speed(l2Mpbs).

- **BIOS EHCI Hand-Off**

  This is a workaround for Oss without EHCI hand-off support.
  The EHCI owner-ship change should be claimed by EHCI driver.

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3.10 Advanced PCI/ PnP Settings

Select the PCI / PnP tab from the AIMB-2l2 setup screen to enter the Plug andPlay BIOS Setup screen.
You can display a Plug and Play BIOS Setup option by highlighting it using the <Arrow> keys.
All Plug and Play BIOS Setup options are described in this section.
The Plug and Play BIOS Setup screen is shown below.

```
                        BIOS SETUP UTILITY

  Main      Advanced    PCIPnP    Boot    Security    Chipset    Exit

  Advanced PCI/PnP Settings                          ▲   Clear NVRAM during
                                                         System Boot.
  WARNING: Setting wrong values in below sections
           may cause system to malfunction.

  Clear NVRAM                      [No]
  Plug & Play O/S                  [No]
  PCI Latency Timer                [64]
  Allocate IRQ to PCI VGA          [Yes]
  Palette Snooping                 [Disabled]
  PCI IDE BusMaster                [Enabled]
  OffBoard PCI/ISA IDE Card        [Auto]

                                                     ←      Select Screen
  IRQ3                             [Available]       ↑↓     Select Item
  IRQ4                             [Available]       +-     Change Option
  IRQ5                             [Available]       F1     General Help
  IRQ7                             [Available]       F10    Save and Exit
  IRQ9                             [Available]       ESC    Exit
  IRQ10                            [Available]
  IRQ11                            [Available]   ▼

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```

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•Clear NVRAM

    Set this value to force the BIOS to clear the Non-Volatile Random Access
    Memory (NVRAM). The Optimal and Fail-Safe default setting is No.

•Plug& Play O/S

    When set to No, BIOS configures all the devices in the system. When set to Yes and if you install a Plug
    and Play operating system, the operating system configures the Plug and Play devices not required for
    bootup.

•PCI Latency Timer

    Value in units of PCI clocks for PCI device latency timer register.

•Allocate IRQ to PC IVGA

    When set to Yes, will assign IRQ to PCI VGA card if card requests IRQ.
    When set to No will not assign IRQ to PC IVGA card even if card requests an IRQ.

•Palette Snooping

    This item is designed to solve problems caused by some non-standard VGA card.

•PCI IDE Bus Master

    When set to enabled, BIOS uses PCI bus mastering for reading! Writing to IDE drives.

•Off Board PCI / ISA IDE Card

    Some PCI IDE cards may require this to be set to the PCI slot number that is holding the card.
    Set to Auto works for most PC/IDE cards.

•IRQ 3/ 4/ 5/ 7/ 9/ 10/11

    This item allows your respectively as sign an interrupt types for IRQ-3, 4, 5, 7, 9, 10,11.

•DMA Channel　0/1/3/5/6/7

    When set to Available, will specify DMA is available to be used by PCI/PnP devices.
    When set to Reserved, will specified DMA is Reserved for use by legacy ISA devices.

•Reserved Memory Size

    This item allows you to reserve a set amount of memory for legacy ISA devices.

3.11 Boot settings Configuration

```
                    BIOS SETUP UTILITY
                        Boot

 Boot Settings Configuration              Allows BIOS to skip
 ──────────────────────────────          certain tests while
 Quick Boot              [Enabled]        booting. This will
 Quiet Boot              [Disabled]       decrease the time
 Bootup Num-Lock         [On]             needed to boot the
 Wait For 'F1' If Error  [Enabled]        system.




                                          ←     Select Screen
                                          ↑↓    Select Item
                                          +-    Change Option
                                          F1    General Help
                                          F10   Save and Exit
                                          ESC   Exit



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```

- **Quick Boot**

  This item allows BIOS to skip certain tests while booting.
  This will decrease the time needed to boot the system.

- **Quiet Boot**

  If this option is set to Disabled,the BIOS displays normal POST messages.
  If Enabled, an OEM Logo is shown instead of POST messages.

- **Boot up Num-Lock**

  Select the Power-on state for Numlock.

- **Wait For .F1. If Error**

  Wait for the F1 key to be pressed if an error occurs.

3.12 Security Setup

```
                          BIOS SETUP UTILITY
 Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

┌────────────────────────────────────────────┬──────────────────────────┐
│ Security Settings                           │ Install or Change the    │
│ ─────────────────                           │ password.                │
│                                             │                          │
│ Supervisor Password :Not Installed          │                          │
│ User Password       :Not Installed          │                          │
│                                             │                          │
│ Change Supervisor Password                  │                          │
│ Change User Password                        │                          │
│                                             │                          │
│                                             │                          │
│                                             │  ←     Select Screen     │
│                                             │  ↑↓    Select Item       │
│                                             │  Enter Change            │
│                                             │  F1    General Help      │
│                                             │  F10   Save and Exit     │
│                                             │  ESC   Exit              │
│                                             │                          │
└────────────────────────────────────────────┴──────────────────────────┘
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```

Select Security Setup from the PCM-9562 Setup main BIOS setup menu.
All Security Setup options, such as pass word protect ion and virus protection are described in this section.
To access the sub menu for the following items, select the item and press
<Enter> :

•**Change Supervisor / User Password**
    Provides for either installing or changing the password.

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3.13 Advanced Chipset Settings

```
                    BIOS SETUP UTILITY

Main    Advanced   PCIPnP    Boot    Security   Chipset    Exit

Advanced Chipset Settings                        Configure North Bridge
                                                 features.
WARNING: Setting wrong values in below sections
         may cause system to malfunction.

 ▶ North Bridge Configuration
 ▶ South Bridge Configuration


                                                 ←      Select Screen
                                                 ↑↓     Select Item
                                                 Enter  Go to Sub Screen
                                                 F1     General Help
                                                 F10    Save and Exit
                                                 ESC    Exit


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```
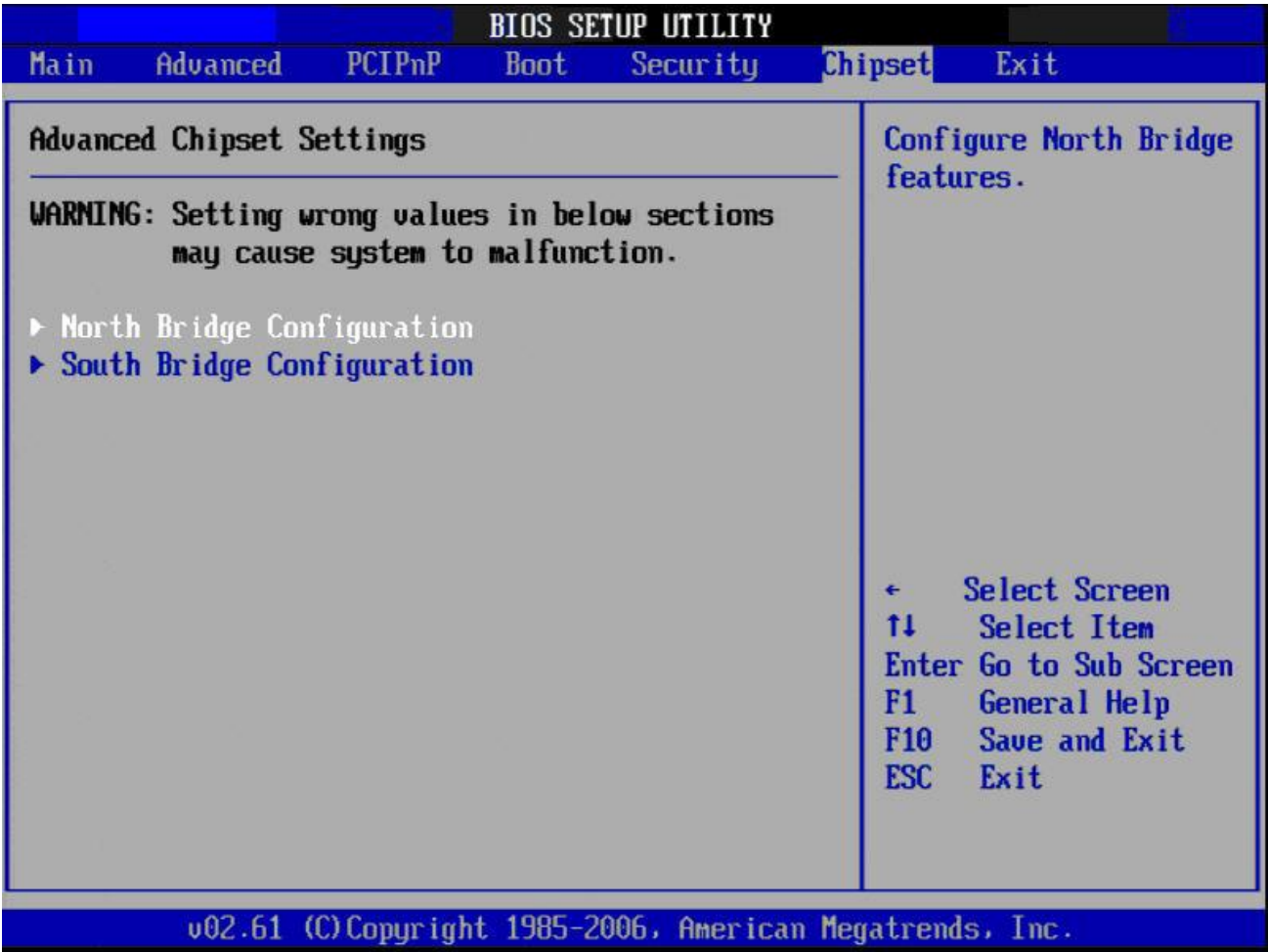
• **North Bridge Configuration**

• **South Bridge Configuration**

3.14 North Bridge Chipset Configuration

```
                        BIOS SETUP UTILITY
                                        Chipset

North Bridge Chipset Configuration                 Options

   PCI MMIO Allocation: 4GB To 3072MB          Auto
DRAM Frequency               [Auto]            667 MHz
Configure DRAM Timing by SPD  [Enabled]        800 MHz

Initate Graphic Adapter       [IGD]
Internal Graphics Mode Select [Enabled, 8MB]


▶ Video Function Configuration

                                               ←     Select Screen
                                               ↑↓    Select Item
                                               +-    Change Option
                                               F1    General Help
                                               F10   Save and Exit
                                               ESC   Exit



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```

•**DRAM Frequency**
   This item allows you to manually change DRAM frequency.
•**Configure DRAM Timing by SPD**
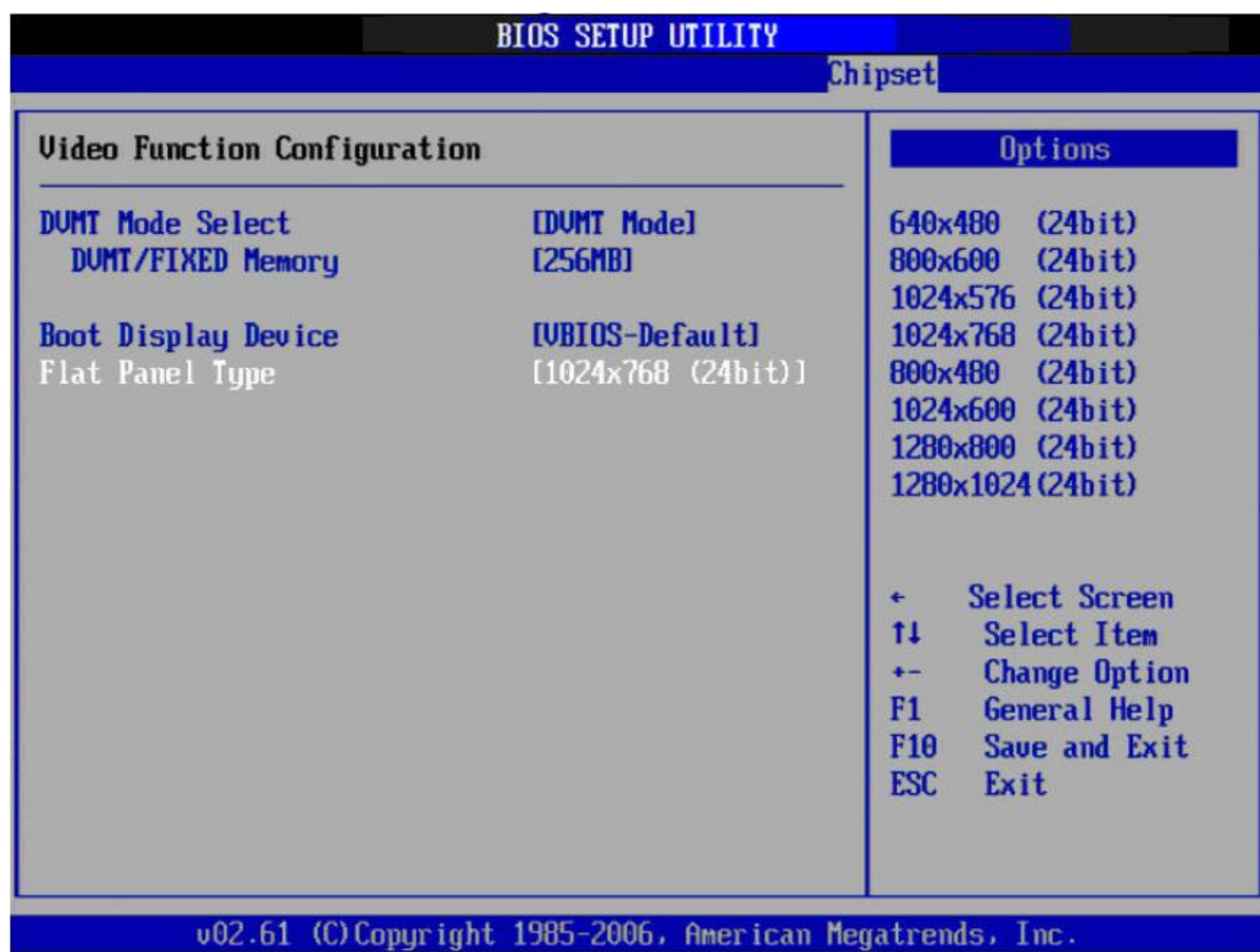   This item allows you to enable or disable detect by DRAM SPD.
•**Initiate Graphic Adapter**
   This item allows you to select which graphics controller to use as the primary boot device.
•**Internal Graphics Mode Select**
   Select the amount of system memory used by the Internal graphics device.

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3.15 Video Function Configuration

```
                        BIOS SETUP UTILITY
                                            Chipset

Video Function Configuration                        Options

DVMT Mode Select           [DVMT Mode]       640x480   (24bit)
  DVMT/FIXED Memory        [256MB]           800x600   (24bit)
                                             1024x576  (24bit)
Boot Display Device        [VBIOS-Default]   1024x768  (24bit)
Flat Panel Type            [1024x768 (24bit)]  800x480 (24bit)
                                             1024x600  (24bit)
                                             1280x800  (24bit)
                                             1280x1024 (24bit)


                                             ←     Select Screen
                                             ↑↓    Select Item
                                             +-    Change Option
                                             F1    General Help
                                             F10   Save and Exit
                                             ESC   Exit


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```

•**DVMT Mode Select**
    Displays the active system memory mode.

•**DVMT / FIXED Memory**
    Specifies the amount of DVMT/ FIXED system memory to allocate for video memory.

•**Boot Display Device**
    Select boot display device at post stage.

•**Flat Panel Type**
    This item allows you to select which panel resolution you want.

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3.16 South Bridge Chipset Configuration

```
                          BIOS SETUP UTILITY
                                              Chipset

  South Bridge Chipset Configuration                     Options

  USB Functions              [10 USB Ports]      Disabled
  USB 2.0 Controller         [Enabled]           2 USB Ports
  HDA Controller             [Enabled]           4 USB Ports
  LAN Controller             [Enabled]           6 USB Ports
  LAN BootROM                [Disabled]          8 USB Ports
                                                 10 USB Ports
  SLP_S4# Min. Assertion Width  [1 to 2 seconds]


                                                ←     Select Screen
                                                ↑↓    Select Item
                                                +-    Change Option
                                                F1    General Help
                                                F10   Save and Exit
                                                ESC   Exit


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```

- **USB Functions**
  Select : Disabled, 2 USB Ports, 4USB Ports, 6USB Ports or 8USB Ports.
- **USB 2.0 Controller**
  Enables or disables the USB2.O controller.
- **LAN controller**
  Enables or disables the GbE controller.
- **SLP_S4 # Min. Assertion Width**
  This item allows you to set a delay of a set number of seconds.

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3.17 Exit Option

```
                        BIOS SETUP UTILITY
  Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

 Exit Options                                    Exit system setup
 _____            after saving the
                                                 changes.
 Save Changes and Exit
 Discard Changes and Exit                        F10 key can be used
 Discard Changes                                 for this operation.

 Load Optimal Defaults




                                                 ←     Select Screen
                                                 ↑↓    Select Item
                                                 Enter Go to Sub Screen
                                                 F1    General Help
                                                 F10   Save and Exit
                                                 ESC   Exit


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```

•Save Changes and Exit

When you have completed system configuration, select this option to you're your changes, exit BIOS setup and reboot the computer so the new system configuration parameters can take effect.
Select Save Changes and Exit from the Exit menu and press <Enter>.
The following message appears:
Save Configuration Changes and Exit Now?
[Ok] / [Cancel]
2.Select Ok or Cancel.

•Discard Changes and Exit

Select this option to quit Setup without making any permanent changes to the system configuration.
Select Discard Changes and Exit from the Exit menu and press <Enter>.
The following message appears:
Discard Changes and Exit Setup Now?
[Ok]/ [Cancel]
2.Select Ok to discard changes and exit.

•Discard Changes

l.Select Discard Changes from the Exit menu and press<Enter>.

•Load Optimal Defaults

The ID525-PBP3 automatically configures all setup items to optimal settings when you select this option. Optimal Defaults are designed for maximum system performance,
but may not work best for all computer applications. In particular, do not use the Optimal.
Defaults if your computer is experiencing system configuration problems.
Select Load Optimal Defaults from the Exit menu and press <Enter>.

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4. Troubleshooting

(1) Network Issues

Symptom	Corrective Procedure
Cannot access LAN	• Check if hub or switch is working correctly • Check RJ45 cable connection • Check if LAN LEDs are on/off • Reinstall LAN card • Replace motherboard

(2) MSR Issues

Symptom	Corrective Procedure
MSR does not respond	• Check MSR reader cable connection • Check motherboard and LCD cable connection • Check MSR board cable connection

(3) USB Issues

Symptom	Corrective Procedure
USB port doesn't work	• Check Windows device manager for device recognition • Check USB device status and connection • Erase and re-install USB driver • Change USB device

(4) LCD Issues

Symptom	Corrective Procedure
LCD backlight doesn't work	• Check LCD cable connection • Check inverter cable connection • Replace inverter cable • Change LCD panel

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(5) Touch-screen Issues

Symptom	Corrective Procedure
Touch-screen doesn't detect touch operations	• Check touch-screen cable connection • Check motherboard and LCD cable connection • Check BIOS set-up

(6) Power Issues

Symptom	Corrective Procedure
System switches off abruptly and system does not load	▪ Check A/C cable connection ▪ Check motherboard power connection ▪ Check CPU settings/status ▪ Check DRAM settings ▪ Check power button cable connection ▪ Change power adaptor unit

(7) PS/2 Keyboard Issues

Symptom	Corrective Procedure
PS/2 Keyboard Issues	▪ Check card-reader cable ▪ Check CN6 jumper

(8) Booting Issues

Symptom	Corrective Procedure
Re-booting during system operation	▪ Check SATA cable connection ▪ Check memory status

5. Maintenance

Safety Warning

POSBANK will not be held responsible for repairs conducted via service providers other than those officially specified by the seller.

General Guidelines

1. Always disconnect the unit from the power outlet.
2. Disconnect all cables from the POS main unit before attempting reparation.
3. Keep all components in the static-proof packaging provided until ready for installation.
4. If the device still is not functioning after repair, please turn off the POS unit and contact the customer service center for a follow-up inspection.
5. We recommend that power supply unit (PSU) checks and monitor repairs only be performed at a certified service center.

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AnyShop Eco Module POS System Replacement

(1) Detaching Main Unit

Main Unit
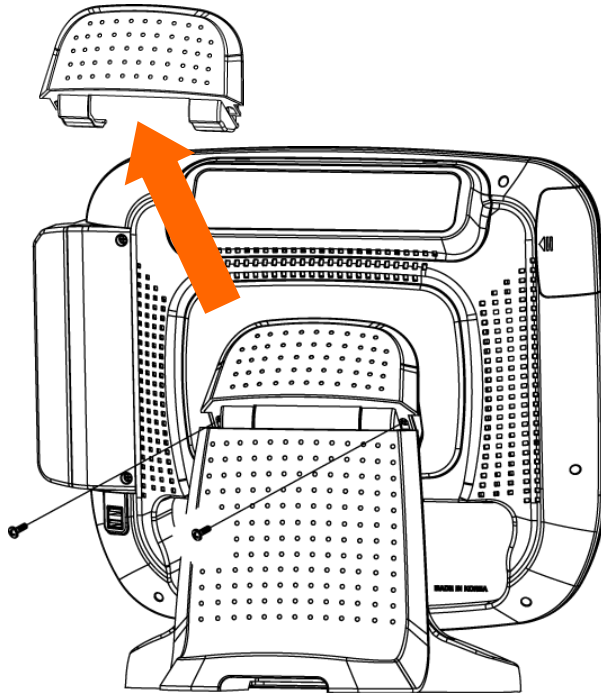
Step 1. Remove the 2 screws as shown above and take off cover.
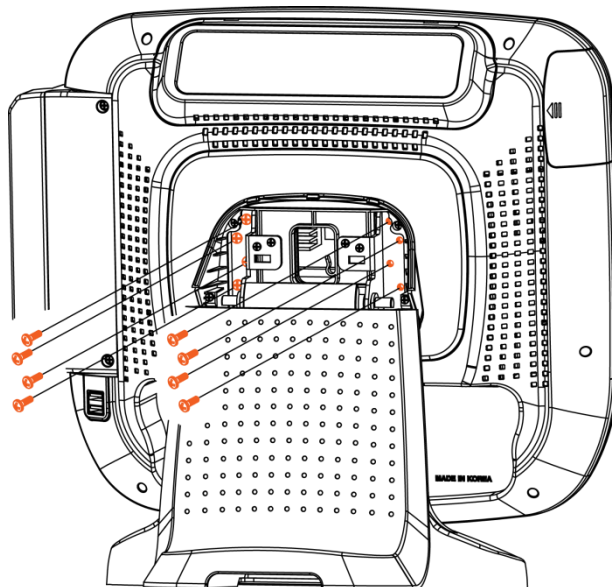
Step 2. Remove the 8 screws from the frame under the cover.

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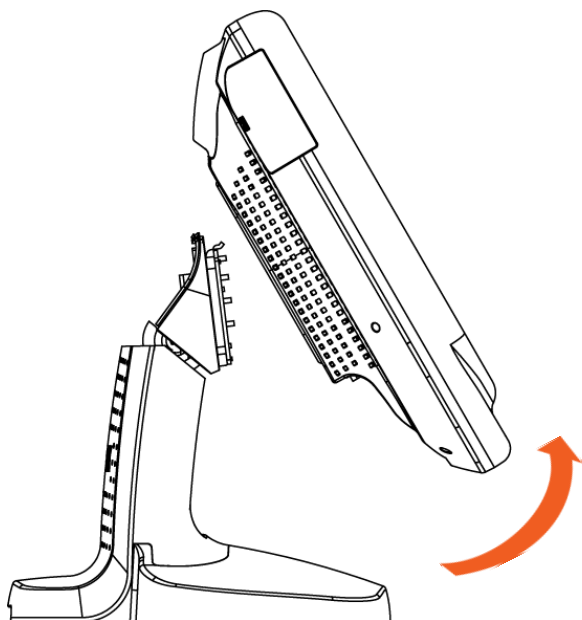
Step 3. Detach main unit from stand.
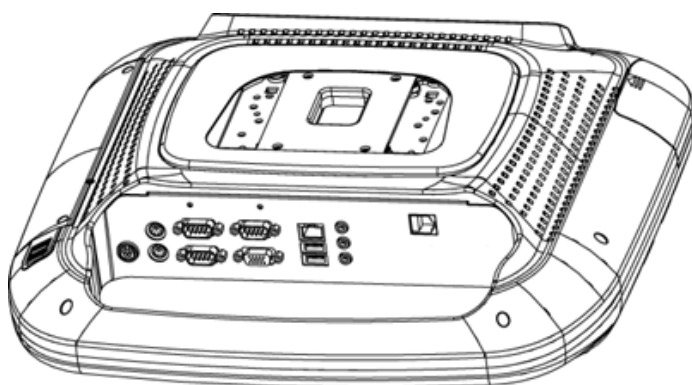
Step 4. Main unit is now detached.

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(2) Separating MSR module
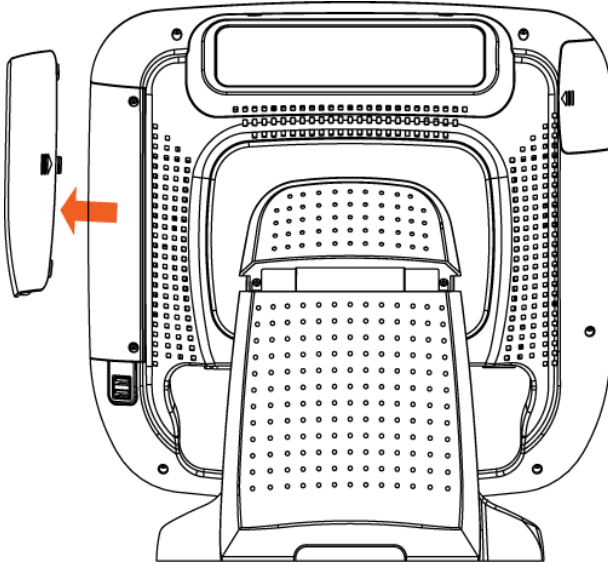
Step 1. Remove dummy cover at the rear left of the main unit.
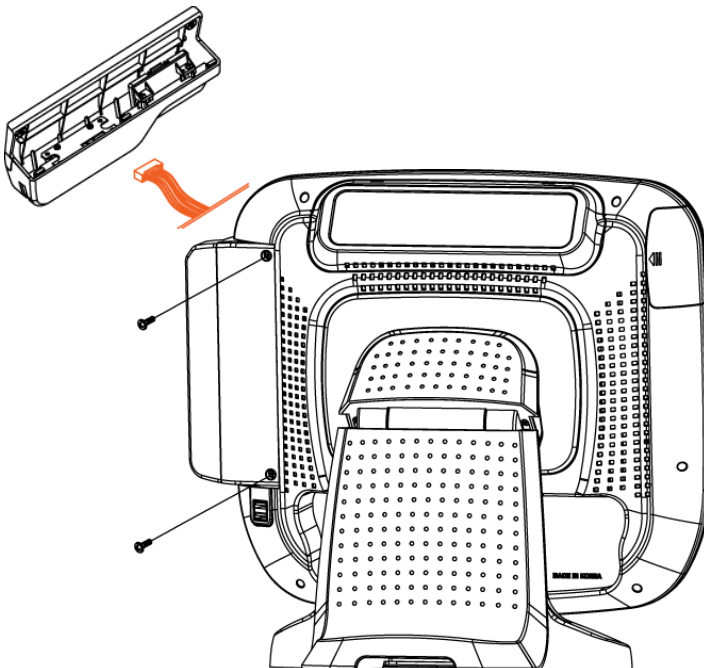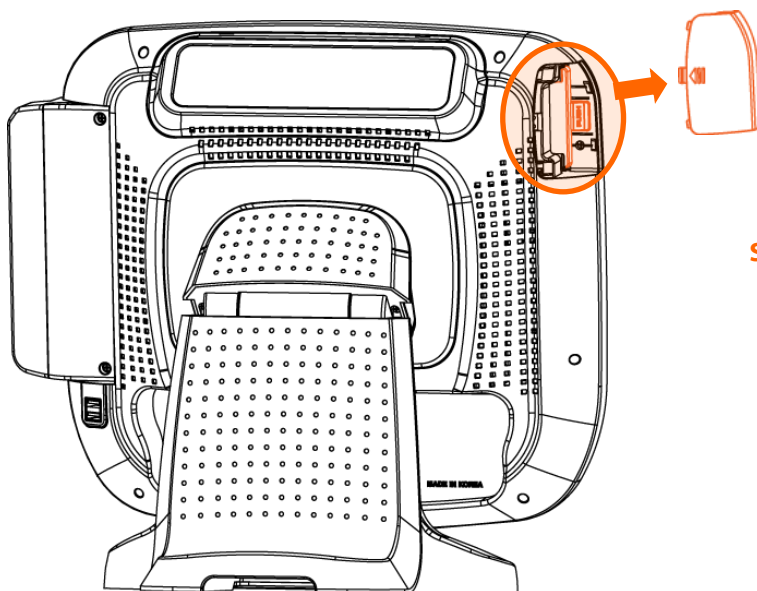
» PS2, USB and Serial port connections are supported

Step 2. Connect MSR cable to MSR unit.

Step 3. Affix MSR to main unit using 2 screws as shown.

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(3) HDD Replacement

Step 1. Remove HDD cover from main unit.
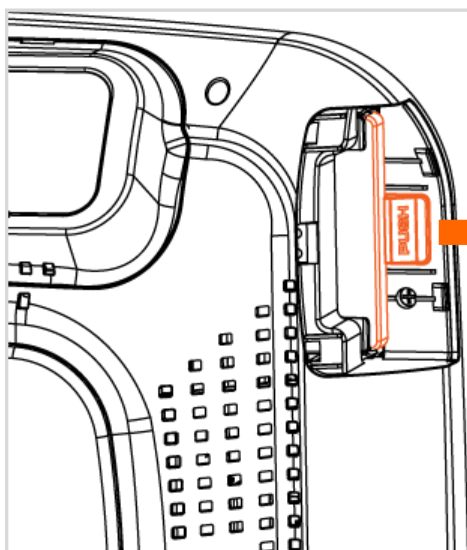
2.5" SATA HDD

Step 2. Press down as shown and HDD will be ejected.
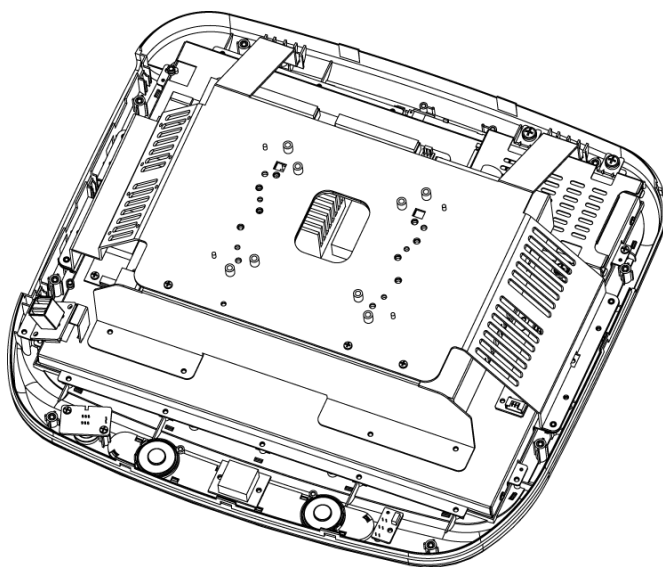
Step 3. Insert new HDD and replace cover.

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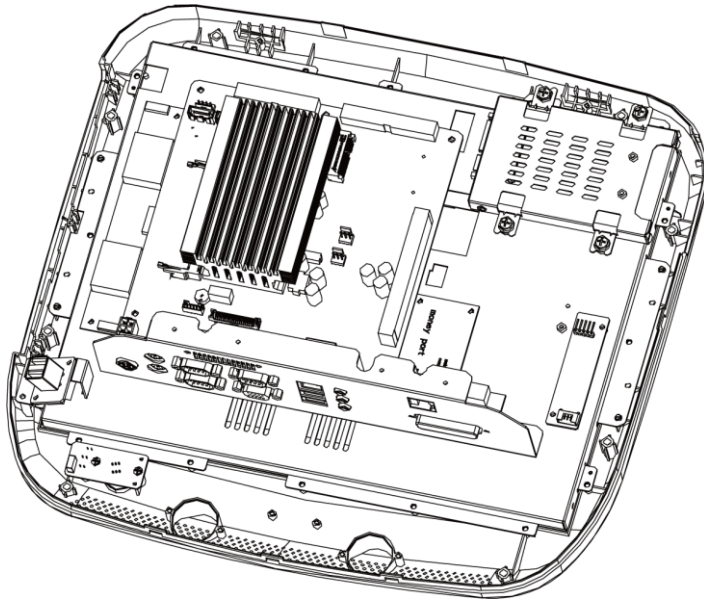
(4) Motherboard Replacement
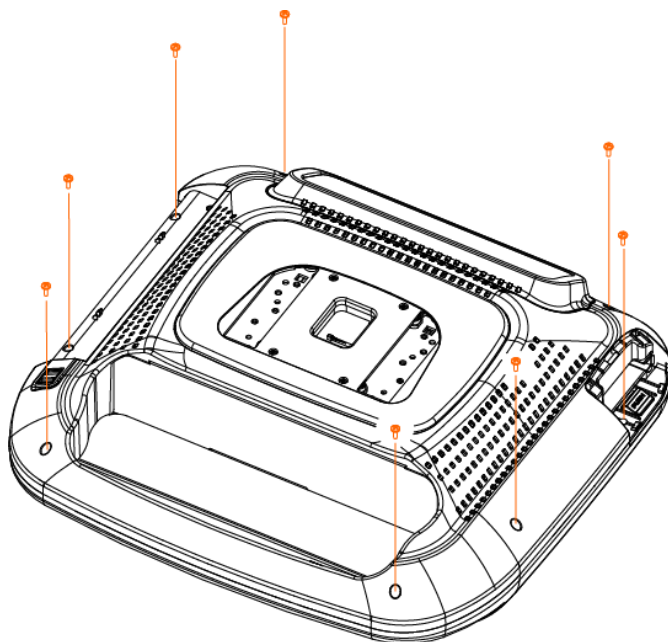
» We recommend removing MSR, HDD and CDP before replacing the motherboard.

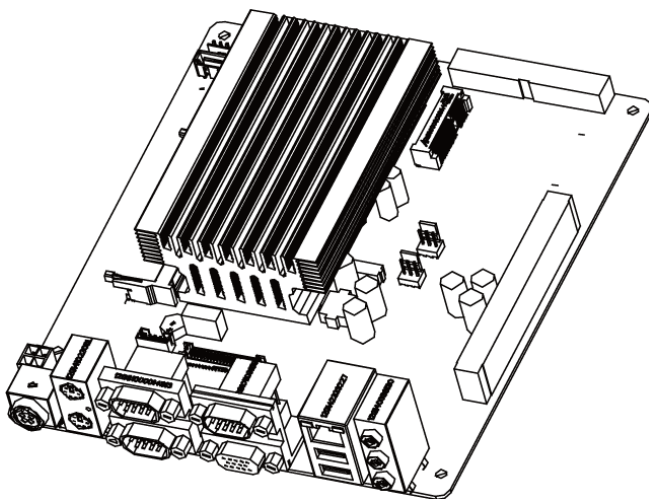**Step 1.** Remove the 8 screws on reverse side of main unit using a (+) driver and take off the rear cover.

Rear cover is now removed

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Step 2. Next, remove the last 4 screws as shown above.

Step 3. Remove cable from motherboard. **Motherboard is now removed.**

Step 4. Replace with new motherboard and reassemble unit using the reverse procedure of steps 1-6 as shown previously.

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Specification

AnyShop Eco	
CPU	Intel Atom processor D525 (1M Cache, 1.8 GHz, Dual Core for Pineview D)
Chipset	Intel ICH8M
Storage	SATA HDD 2.5inch (Default 320GB), SSD is available by option
Memory	DDR3-800MHz SODIMM 2GB (MAX. 4GB)
VGA	Integrated Intel Gen3.5+GFX Render Core 400MHz (Pineview-D)
Display	15" TFT-LCD 300 cd/㎡ (1024 x 768 resolution) 5-wired Resistive Touch Screen
Internal I/O	
USB	3 Ports (reserved for touch controller, SCR EMV card, MSR controller)
RS-232	COM 4 reserved for CDP COM 5 & 6 with 9pin header
VGA	Reserved for 2nd display
Extension	Mini PCIe
LVDS	24bit LVDS
External I/O	
USB	Rear 2, Side 2
PS/2	Mouse 1 / Keyboard 1
RS-232	COM 1 ~ 3 with +5/12V power output on 9pin
LAN	Realtek RTL 8111E Gigabit LAN
VGA	Reserved for 2nd display (Shared with internal 15pin header)
Audio	ALC 892 GR / Rear panel out(jack): Line-out, Mic-in, Line-in
Options	
MSR	Comply with ISO 7811, Support 1 & 2 & 3 track
SCR	EMV level 1
Dallas	Dallas I-button reader
Customer display	VFD type (20 x 2)
2nd LCD	10.1" LCD or 12.1" LCD (1024 x 768 resolution)
WiFi	Mini PCIe for wireless LAN
Operating Temperature	0 ℃ ~ 40 ℃ at 10% ~ 80% humidity
Storage Temperature	-20 ℃ ~ 60 ℃ at 10% ~ 80% humidity
Qualification	CE, FCC, KC
Power	12V / 5A Adaptor
OS Support	Windows XP/XPE/7, WEPOS, POS Ready 2009/7
Dimension (W x H x D)	385 x 395 x 265(mm)

* Product specifications may differ according to location and may be changed without prior notice.
*MSR is supported USB interface only

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